[illegible], J.

Radiotelemetric examination of pulse rate in pilots in flight. Sborn. ved. prac. lek. fak. Karlov. Univ. 7 no.4: 505-511 '64.

1. Ustav leteckeho zdravotnictvi, Praha.

CA HAJPODRA, V.

Biosynthesis of fats by yeasts. II. Composition of fat at various temperatures. Arnošt Bass and Jaroslav Hospodka (Tech. Univ., Prague, Czech.). *Chem. Listy* 46, 243-8(1952); cf. *C.A.* 46, 1131*f*.—The fat produced by *Rhodotorula gracilis* is more satd. and of lower mol. wt. when formed at higher temps. Thus different proportions of palmitic, oleic, linoleic, linolenic and C_{20-22} acids are formed at different temps. M. Hudlický

CASLAVSKY, Zdenek; HOSPODKA, Jaroslav

Transistor contactless foam controller. Kvasny prum 10 no.10:227-230 O '64.

1. Institute of Microbiology of the Czechoslovak Academy of Sciences, Prague.

CZECHOSLOVAKIA / Chemical Technology. Chemical Products H
and Their Applications. Pharmaceuticals. Vitamins.
Antibiotics.

Abs Jour: Ref Zhur-Khimiya, 1959, No 4, 12806.

Author : Malek, Jiri; Lacko, Ladislav; Sterba, Otakar; Hospodka, Jaroslav.

Inst : Not given.
Title : Colloid Solution of Dextran for Infusion. I. II.

Orig Pub: Ceskosl. farmac., 1956, 5, No 9, 546-556; No 10, 605-611.

Abstract: No abstract.

Card 1/1

61

MALEK, I.; HOSPODKA, J.

Continuous cultivation of microorganisms. Folia microbiol 5 no.2: 120-139 Mr '60. (EEAI 9:7)

1. Department of Microbiology, Institute of Biology, Czechoslovak Academy of Sciences, Prague.
(MICROORGANISMS)

BERAN, K.; HOSPODKA, J.; HAUBA, L.

The effect of start wort on the initial period of baker's yeast fermentation. Folia microbiol 6 no.2:86-93 '61. (EEAI 10:5)

1. Department of Microbiology, Institute of Biology, Czechoslovak Academy of Sciences and United Distilleries, Prague 6.
(WORT) (YEAST) (FERMENTATION)

BERMAN, K.; HAUBA, J.; HOSPODKA, J.

Changes in the rate of fermentation of maltose during propagation of industrial baker's yeast. Folia microbiol. 8 no.2:93-101 '63.

1. Department of Technical Microbiology, Institute of Microbiology, Czechoslovak Academy of Sciences and United Distilleries, Prague.
(FERMENTATION) (GLUCOSE) (MALTOSE) (YEASTS)
(GLYCOSIDE HYDROLYSES)

CASLAVSKY, Z.; LOSKODKA, [illegible]

Simple precision laboratory temperature controller. Folia microbiol. (Praha) 10 no.2:136-141 Mr'65.

1. Department of Technical Microbiology, Institute of Microbiology, Czechoslovak Academy of Sciences, Prague.

HOSPODKA, J.; CASLAVSKY, Z.

Design and application of electrodes for the determination of dissolved oxygen. Folia microbiol. (Praha) 10 no.3: 186-199 My'65.

Department of Technical Microbiology, Institute of Microbiology, Czechoslovak Academy of Sciences, Prague 4.

HOSPODKA, Vladimir, dr.

Coordination of the transportation services. Doprava no.10:333-334 '62.

1. Vysoka skola ekonomicka.

HOSPODKA, Zdenek

One year experience with the first packaged boiler for outdoor use. Energetika Cz 13 no.1:20-22 Ja '63.

1. Vychodoceske chemicke zavody Synthesia, Lucebni zavody, Kolin.

HOSSO, Istvan, okleveles vegyeszmernok

Chemical water treatment inside the boiler and the water quality control in small-size boilers. Pt. 2. Ipari energia 4 no.4:89-90 Ap '63.

HOSSO, Istvan, okleveles vegyeszmernok

Chemical water treatment inside the boiler and the water quality control in small boilers. Pt. 1. Ipari energia 4 no.3:61-63 Mr '63.

1. Hotechnikai Kutato Intezet.

HOSSO, Istvan

Supersonic and magnetic water treatment. Musz elet 18 no.22:15 24 O '63.

HOSSU, G.

Years of great development in construction activities. P. 3.

CONSTRUCTORUL. (Ministerul Constructiilor si Industriei Materialelor de Constructii si Uniunea Sindicatelor de Salariati din Intreprinderile de Constructii) Bucuresti. Vol. 7, no. 310, Dec. 1955.

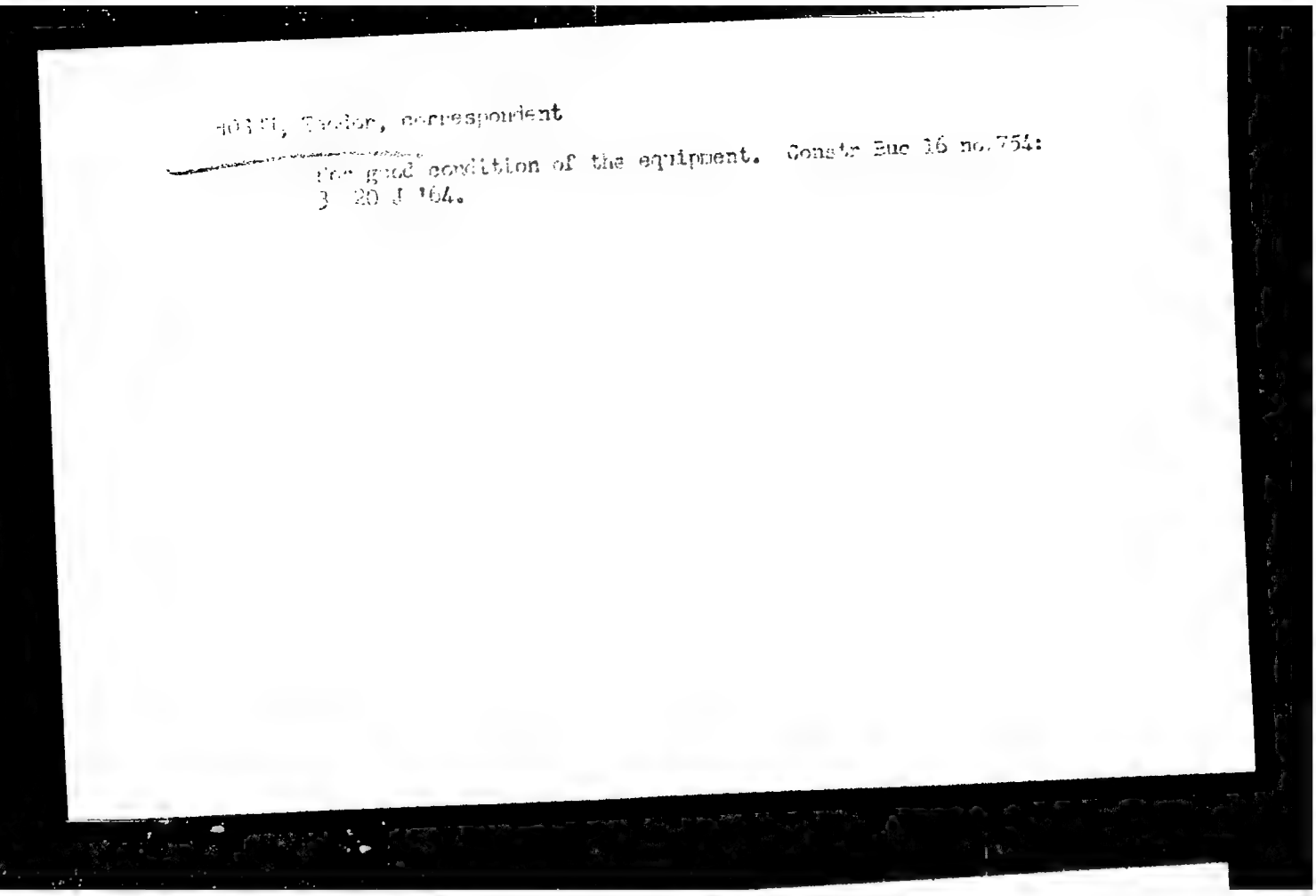
So. East European Accessions List Vol. 5, No. 9 September, 1956

FILOTTI, A., ing.; ZAMFIRESCU, D., ing.; HOSSU, L., ing.; SAVA, M., ing.

Calculation of the irrigation water requirements by the CIFA digital electronic computers. Hidrotehnica 7 no.9:303-307 S '62.

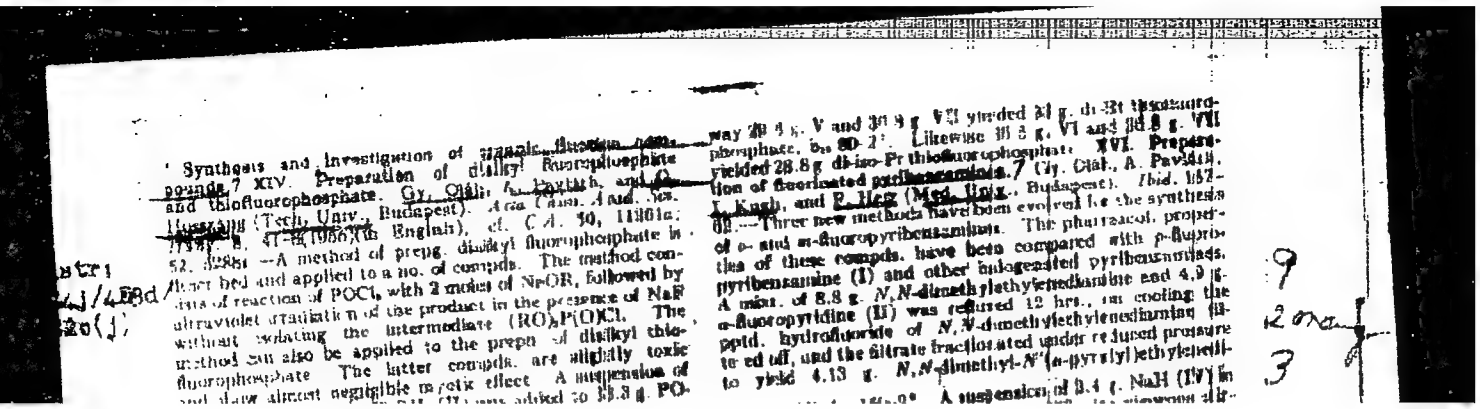
MARUSCIAC, D.; POP, V.; MORUSCA, I.; HOSSU, T.; ALUAC, V.

Study on some methods of soil consolidation in the Cluj region in view of their utilization in agrozootechnical construction. Bul stiint polit Cluj 6:171-186 '63.

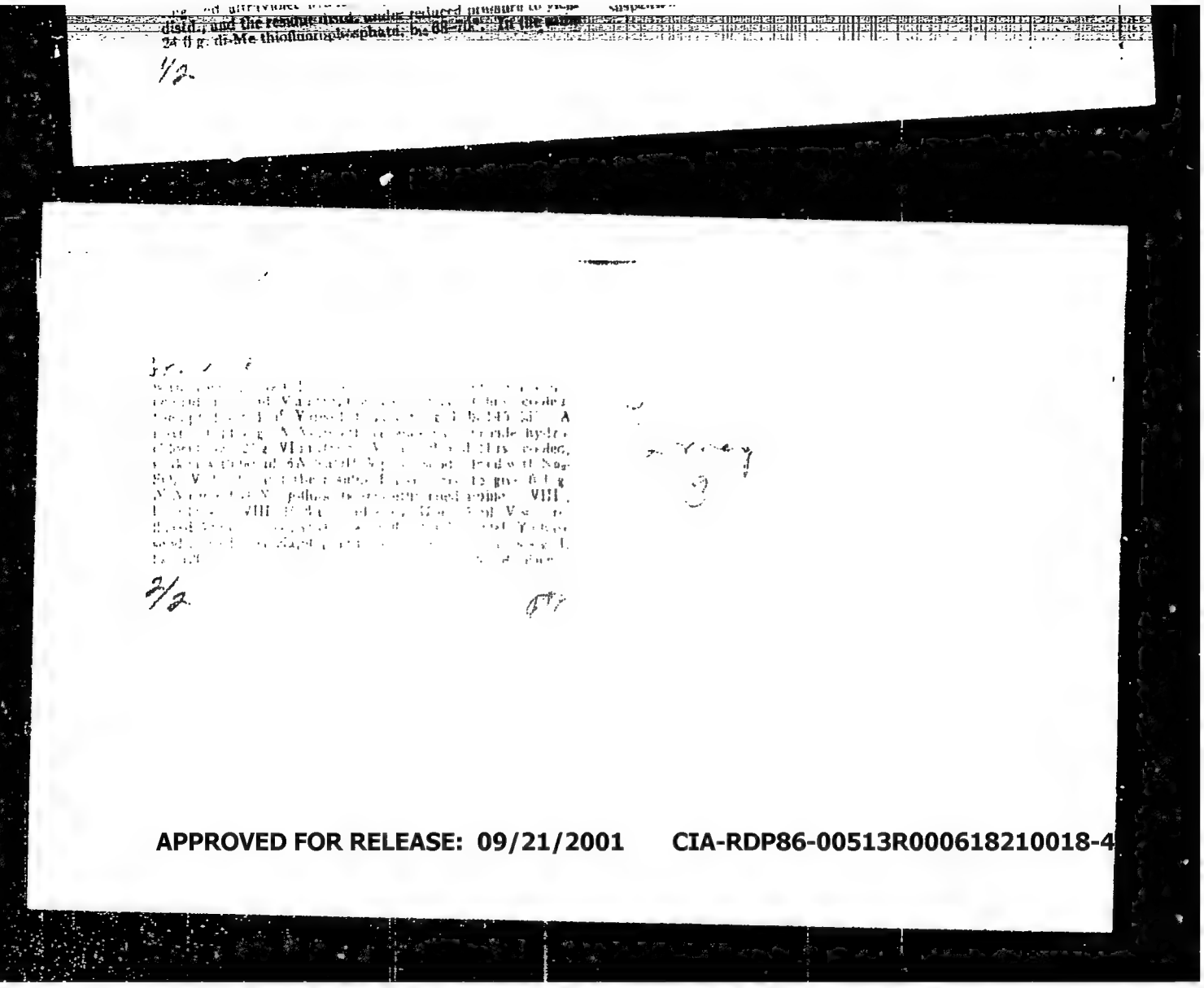


Taylor, correspondent

For good condition of the equipment. Constr Equ 16 no.754:
3 20 J '64.



Synthesis and investigation of [illegible] compounds. 7 XIV. Preparation of dialkyl fluorophosphate and thiofluorophosphate. Gy. Csáki, A. Tóth, and [illegible] (Tech. Univ., Budapest). *Acta Chim. Acad. Sci. Hung.* 47–8(1966)(in English); cf. *C.A.* 50, 11801a; 52, 3288i.—A method of prepg. dialkyl fluorophosphate in a fixed bed and applied to a no. of compds. The method consists of reaction of $POCl_3$ with 2 moles of NaOR, followed by ultraviolet irradiation of the product in the presence of NaF without isolating the intermediate $(RO)_2P(O)Cl$. The method can also be applied to the prepn. of dialkyl thiofluorophosphate. The latter compds. are slightly toxic and show almost negligible myotic effect. A suspension of [illegible] was added to 35.3 g. PO- way 28.4 g. V and 30.9 g. VII yielded 31 g. di-Bt thiofluorophosphate, bp 80–2°. Likewise 30.3 g. VI and 34.8 g. VII yielded 28.8 g. di-iso-Pr thiofluorophosphate. XVI. Preparation of fluorinated pyribenzamines. 7 Gy. Csáki, A. Pavláth, I. Kagh, and P. Herz (Med. Univ., Budapest). *Ibid.* 157–68.—Three new methods have been evolved for the synthesis of o- and m-fluoropyribenzamines. The pharmacol. properties of these compds. have been compared with p-fluoropyribenzamine (I) and other halogenated pyribenzamines. A mixt. of 8.8 g. *N,N*-dimethylethylenediamine and 4.9 g. o-fluoropyridine (II) was refluxed 12 hrs., on cooling the hydrofluoride of *N,N*-dimethylethylenediamine precipitated, the filtrate fractionated under reduced pressure to yield 4.13 g. *N,N*-dimethyl-*N'*(o-pyridyl)ethylenediamine (III). To a suspension of 9.4 g. NaH (IV) in



HOSSZU, Adam

The Kiskore irrigation system. Vizugyi kozl no.4:573-580 '59.

ACZEL, J. (Debrecen); HOSSZU, M. (Miskolc)

On concomitants of mixed tensors. Annales Pol math 13 no.2:163-171 '63.

HOSSZU, M.; VINCZE, E.

On the most probable value. Acta mat Hung 14 no.1/2:131-136 '63.

1. Technische Universitat, Miskolc. Vorgelegt von A. Renyi.

~~MIKLOS~~ HOSSZU, Miklos

Mathematical Reviews
Vol. 15 No. 3
March 1954
Analysis

7-8-54
LL

Hosszú, Miklós. Contribution à la théorie de l'équation fonctionnelle de la bisymmétrie. Magyar Tud. Akad. Alkalm. Mat. Int. Közl. 1 (1952), 335–342 (1953). (Hungarian. Russian and French summaries)

The author proves the following theorems: Assume that

(1) $M[m(X, u), n(y, v)] = N[m(x, v), n(y, u)]$

where all the functions are strictly monotonic and differentiable. Then there exist $f(x)$, $g(x)$, $h(y)$, $X(x)$, $Y(y)$, $H(x, y)$ all differentiable and strictly monotonic so that

(2) $M(x, y) = N(x, y) = H[X(x) + Y(y)]$,

(3) $m(x, y) = X^{-1}[f(x) + h(y)]$, $n(x, y) = Y^{-1}[g(x) + h(y)]$.

If

(4) $M[m(x, u), m(y, v)] = N[m(x, y), m(u, v)]$,

then

(5) $M(x, y) = N(x, y) = G[ah(x) + bh(y) + c]$,

(6) $m(x, y) = g[af(x) + bf(y) + c]$, $g(t) = h^{-1}(t)$,

where again the functions are strictly monotonic and differentiable. Conversely, functions of the form (2) and (3) satisfy (1) and functions of the form (5) and (6) satisfy (4). The problem of characterising the functions which satisfy (2) and (5) was raised by Aczél. These results can be considered as generalizations of Aczél's condition of bisymmetry [Bull. Amer. Math. Soc. 54, 392–400 (1948); these Rev. 9, 501]. *P. Erdös* (South Bend, Ind.).

HOSSZU, Miklos

(2) Math

Mathematical Reviews
Vol. 15 No. 4
Apr. 1954
Analysis

8-24-54

Hosszú, Miklós. On the functional equation of distributivity. Acta Math. Acad. Sci. Hungar. 4, 159–167 (1953). (Russian summary)

Continuing the work of J. Aczél (not yet published) in characterizing strictly monotonic and twice differentiable solutions $F(x, y)$ of the functional equation

$$F[F(x, y), z] = F[F(x, z), F(y, z)],$$

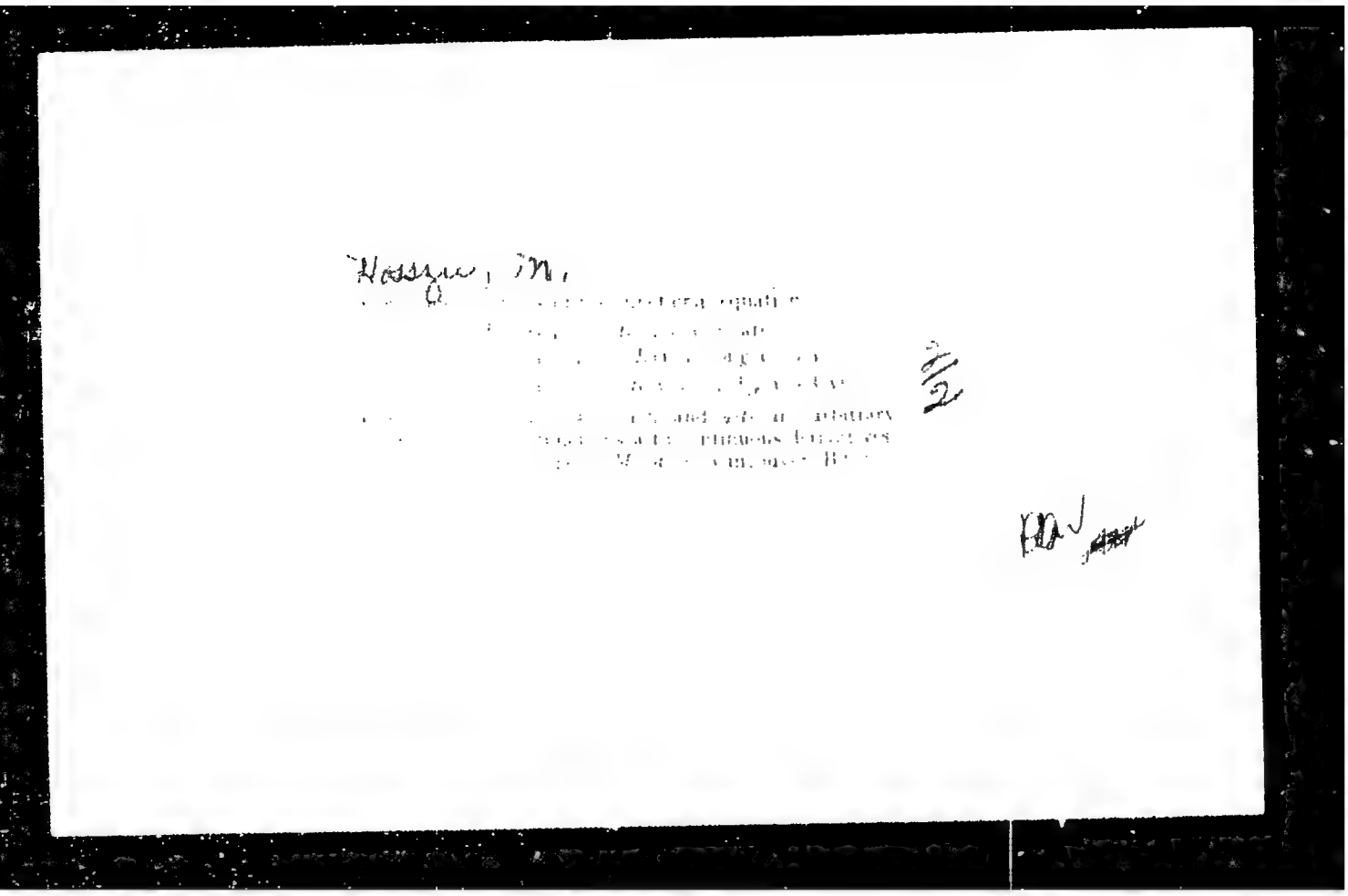
the author determines the classes of strictly monotonic and twice differentiable solutions $F(x, y)$, $G(x, y)$ of

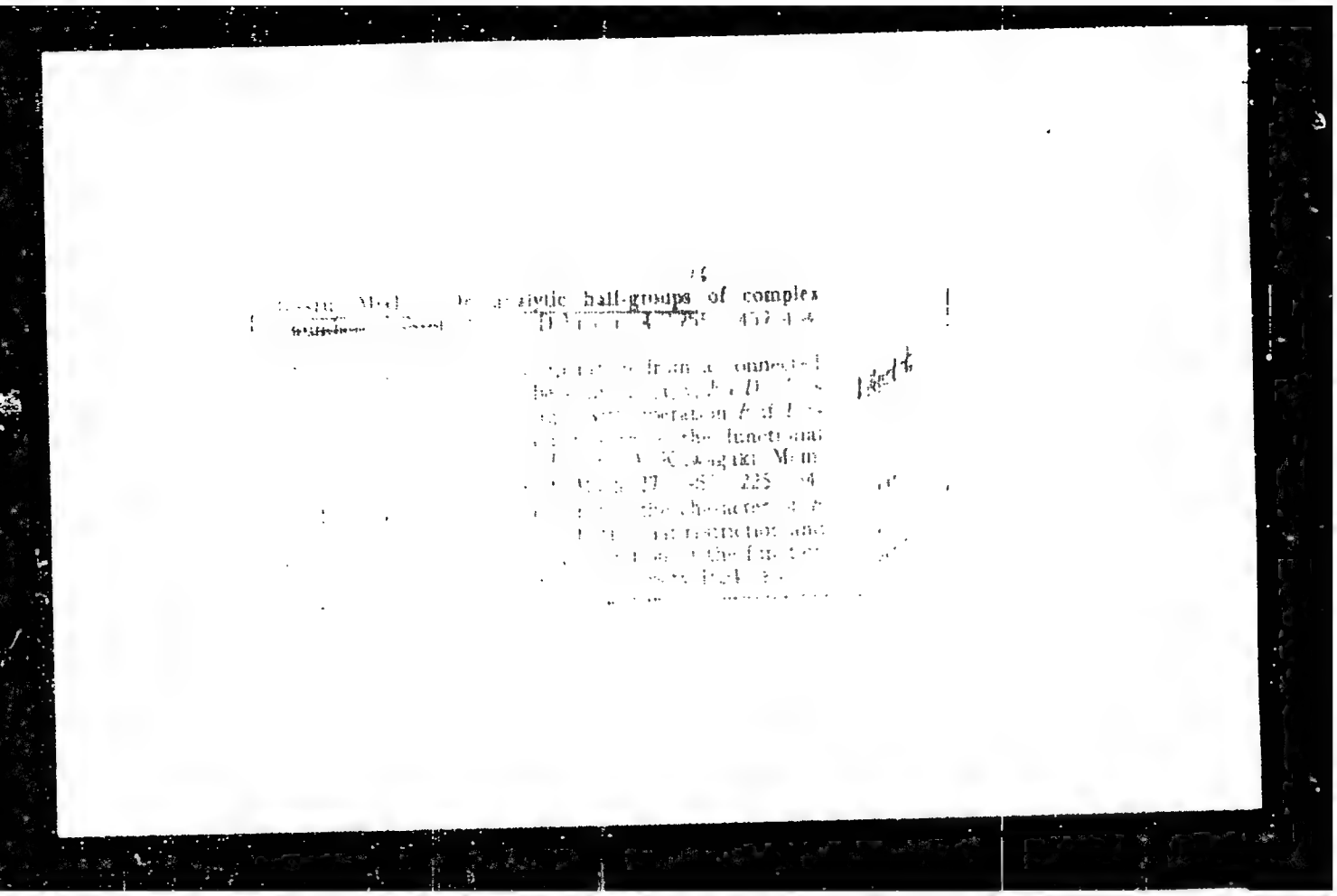
$$F[G(x, y), z] = G[F(x, z), F(y, z)].$$

E. F. Beckenbach (Los Angeles, Calif.)

Jessen, M. Some functional equations related with the associative law. Math. Scand. 3 (1955), ...

... special ... law ... it is possible ... by changing the ... the ... variables. These ... all reducible, however, ... associative law ... one of the ... of the form ... $F(x, y)$ is a function of the ... an individual ... these laws can be ... functional equations. For example, the ... associative becomes $F(x, F(y, z)) = F(F(x, y), z)$ ... $F(x, y) = b$. It has been shown by L. ... Math. Ann. 107 (1933), 246–267, that the most ... continuous and strictly monotonic solution of this ... equation is $F(x, y) = \varphi^{-1}(\varphi(x) + \varphi(y))$, where $\varphi(x)$ ... continuous strictly monotonic function ... $\varphi(x)$. In the present paper solutions are ... the functional equations which correspond to ... associative laws mentioned above for ... most general continuous strictly monotonic ... are shown to be ... $\varphi(x) + \beta$ where $\varphi(x)$ is an arbitrary con- ... strictly monotonic function and α, β are arbi- ... constants with $\alpha \neq 0$. Finally it is shown that the ... solutions must ... differentiable and strictly

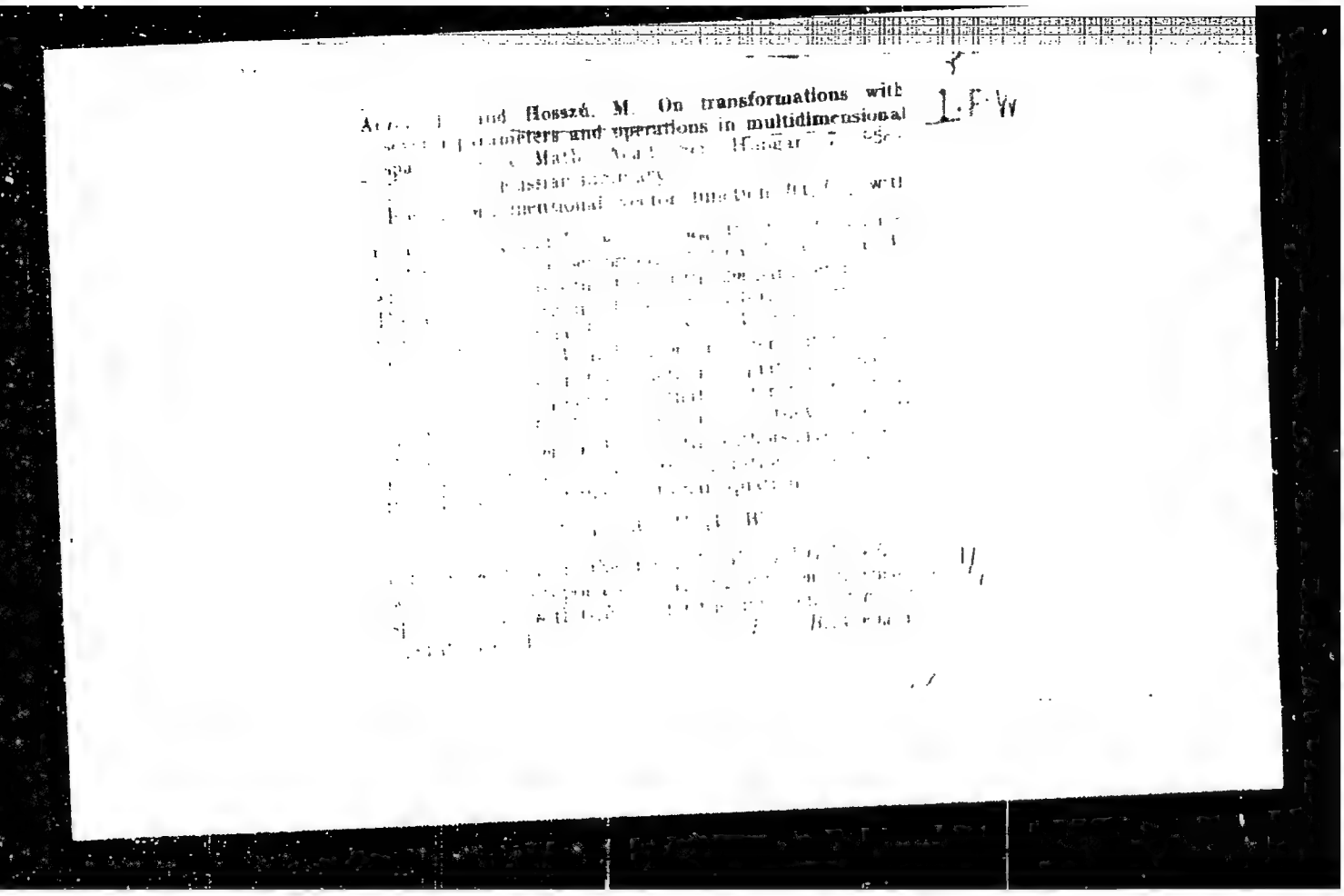




HOSSZU, M.

Generalization of some functional equations of more variables. p. 63*.
(KOZLEMENYEI, Vol. 6, no. 3/4, 1956. Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 9, Sep. 1957. Uncl.



Hosszú, M. On transformations with [illegible] parameters and operations in multidimensional [illegible]

RADO,F. (Cluj, Rumanien); HOSSZU,M. (Miscolc)

A class of ternary quasi-groups. Acta mat Hung 15 no.1/2: 29-36 '64

1. Mathematischer Lehrstuhl, Technische Universitat, Miscolc (for Hosszu). 2. Recheninstitut der Akademie der Rumanischen Volksrepublik, Cluj, Rumanien (for Rado). Vorgelegt von G. Hajos.

HOSSZU, M.

Nonsymmetrical mean values.

p. 207 (Magyar Tudomanyos Akademia. Matematikai es Fizikai Osztaly. Kozlemenyei. Vol. 7, no. 2, 1957. Budapest, Hungary)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2, February 1958

HOSSZU, M.

"Data on a thesis of Belousov and some of its applications." p. 51

Magyar Tudomanyos Akademia. Matematikai es Fizikai Osztaly. KOZLEMENYEI. Budapest, Hungary, Vol. 9, No. 1, 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 6, June 1959
Uncl.

HOSSZU, M.

Functional equations and algebraic methods in the theory of geometric objects. I. p. 149

MAGYAR TODOMANYOS AKADEMIA. MATEMATIKAI ES FIZIKAI OKZTALY. KOZLEMENYEI. Budapest, Hungary. Vol. 9, no. 2, 1959

Monthly list of East European Accessions (EEAI). LC. Vol. 9, no. 1, Jan., 1960

Uncl.

ACZEL, J.; GHERMANESCU, M.; HOSSZU, M.

On cyclic equations. Mat kut kozl MTA 5 no.1/2:215-221 '60. (EEAI 10:1)
(Functional equations)

ACZEL, J. (Debrecen); BELOUSOV, V.D. (Beltsy, U.S.S.R.); HOSSZU, M. (Miskolc)

Generalized associativity and bisymmetry on quasigroups. Acta mat Hung 11 no.1/2:127-136 '60. (EEAI 9:12)

1. Presented by A.Renyi.
(Functional equations) (Groups, Theory of)
(Numbers, Theory of) (Curves)

35819
S/044/62/000/002/004/092
C111/C222

16.2000

AUTHOR: Hosszú, M.

TITLE: On the functional equation of translation

PERIODICAL: Referativnyy zhurnal, Matematika, no. 2, 1962, 2-3, abstract 2B14. (Nehézipari müsz. egyet. közl.", 1960, 21, 7-10)

TEXT: Earlier results of Aczel (Rzh. Mat., 1955, 2406; 1956, 5916), Angelueze (Rzh. Mat., 1960, 7790) and the author (Rzh. Mat., 1958, 5131) are generalized. The functional equation

$$F\left[F(x,u),\ v\right] = F(x,u \oplus v), \qquad (1)$$

$$x \in X;\ u,\ v \in G^{\oplus},$$

is considered, where X is an arbitrary set and $G^{\ominus}$ is a transitive groupoid of commutative operators in which the operator $u \oplus v$ is defined. $x \to F_u x = F(x,u)$ is a transitive system of commutative mappings of X into X for every fixed $u \in G^{\oplus}$. The solution

$$F(x,u) = x + \varphi u,\ x \in X,\ u \in G^{\ominus} \qquad (2)$$

Card 1/2

On the functional equation of . . .

is found for (1), where + denotes an abelian group operation in the set X, and $u \to \varphi u$ is an arbitrary homorphism of G^{φ} onto X^{+} in total. It is proven that, under the given assumptions, (2) is the most general solution of (1). It is pointed out that this kind of equations is now widely used, especially in the theory of geometric objects. Examples are given. A bibliography of eight titles is given.

[Abstracter's note: Complete translation.]

Card 2/2

HOSSZU, M.; VINCZE, E.

Data on the generalizations of a functional equation system of economy. Mat kut kozl MTA 6 no.3:313-321 '61.

1. Technische Hochschule fur Schwerindustrie, Miskolc.

HOSSZU, Miklos (Miskolc)

Contribution to a class of linear functional equations. Mat kozl MTA 11 no.3:249-261 '61.

1. Miskolci Nehezipari Muszaki Egyetem Matematikai Intezete.

(Functional equations)

ROSSZU, M. (Miskolc)

Observations on Pexider's functional equation. Studia Univ B-B S. Math-Phys 7 no.1:99-102 '62.

ACZEL, J. (Debrecen); FLADT, K. (Calw); HOSSZU, M. (Miskolc)

Solution of a functional equation with unharmonic relationship.
Mat kut kozl MTA 7 series A no.3:335-352 '62.

HOSSZU, Miklos, dr.; REDEI, Laszlo; FUCHS, Laszlo; ACZEL, Janos

Interpretation of functional equations by means of algebraic systems. I. Mat kozl MTA 12 no.4:303-315 '62.

HOSSZU, Miklos

BOLLOBAS, Bela; MEGYESI, Laszlo; MORICZ, Ferenc; BOROCZKY, Karoly;
MAKKAI, Mihaly; MALYUSZ, Karoly; SIMON, Laszlo; TUSNADY, Gabor;
MAKKAI, Mihaly; SZOKEFALVI-NAGY, Bela; ACZEL, Janos; HOSSZU, Miklos;
HALASZ, Gabor; KALMAR, Agota; KATAI, Imre; LOSONCZI, Laszlo;
SZASZ, Domokos

The 1961 Mathematical Contest in Memory of Miklos Schweitzer.
Mat lapok 13 no.1/2:153-171 '62.

1. "Matematikai Lapok" szerkeszto bizottsagi tagja (for Aczel).

HOSSZU, Miklos (Miskolc)

Some linear functional equations. Mat lapok 13 no.1/2:202 '62.

HOSSZU, M.

On a class of functional equations. Publ Inst math SANU 3:
53-55 '63.

HOSSZU, Miklos

Interpretation of functional equations through algebraic systems. Pt. 2. Mat kozl MTA 13 no.1:1-15 '63.

L 46640-66 EWP(t)/ETI JD

ACC NR: AP6026078 SOURCE CODE: HU/0014/66/000/004/0153/0157

AUTHOR: Hosszu, Miklos (Doctor); Kismarty, Lorand (Doctor)

ORG: none

TITLE: Programming the investments for long-range development in the ferrous metallurgical industry by mathematical methods

SOURCE: Kohaszati lapok, no. 4, 1966, 153-157

TOPIC TAGS: mathematic method, metallurgic industry, cost estimate, ferrous metal, industrial development

ABSTRACT: The purpose of this paper is to describe mathematical techniques employed in calculating the investment pattern for the Hungarian ferrous metallurgical industry for the next 20 years yielding the optimum results. The goal was an 80% increase in total output, raising the per capita annual consumption to 480 kg. Any facilities to be replaced owing to obsolescence were taken into account. The total amount to be invested was over 32 billion Forints. Financing was to be from domestic resources only. The mathematical formulation of the optimization problem was described and applied to the calculation for the program involving the fastest possible completion of investments that have already been started. A computer was used (National Elliott 803B). The program may be applied to other similar calculations also. Orig. art. has: 2 figures and 30 formulas.

/JPRS: 36,646/

SUB CODE: 11, 14, 12 / SUBM DATE: none

Card 1/1 mjs

UDC: 669.1:658.152.001.24

TEKEL, L., inz.; HOSSZURETY, Z., inz.

Use of fixed capital is an element in controlling the effectiveness of water-power electric plants. Energetika 12 no.1:33-34 Ja '62.

HOSTALEK, J.

KUKACKA, Richard, PhMr.; PACHNER, MUDr.,(Technicka spoluprace); KRIZKOVA, Liba; SIAVICEK, Zdenek; HOSTALEK, Josef

Dust control in coal mines. II. Pracovni lek. 10 no.1:70-71 Mar 58.

1. Krajska hygienickoepidemiologicka stanice v Ostrave, reditel MUDr Jaroslav Verner, odbor hygieny prace, prednosta MUDr P. Pacher. Prednesenon na V. celostatnim sjezdu Pracovniho lekarstvi v Gottwaldove. R. K. KHES-- odbor hyg. prace, Zaluzanskeho ulice-- Ostrava VII.

(DUST,
control in coal mines in Czech. (Cz))
(MINING,
same)

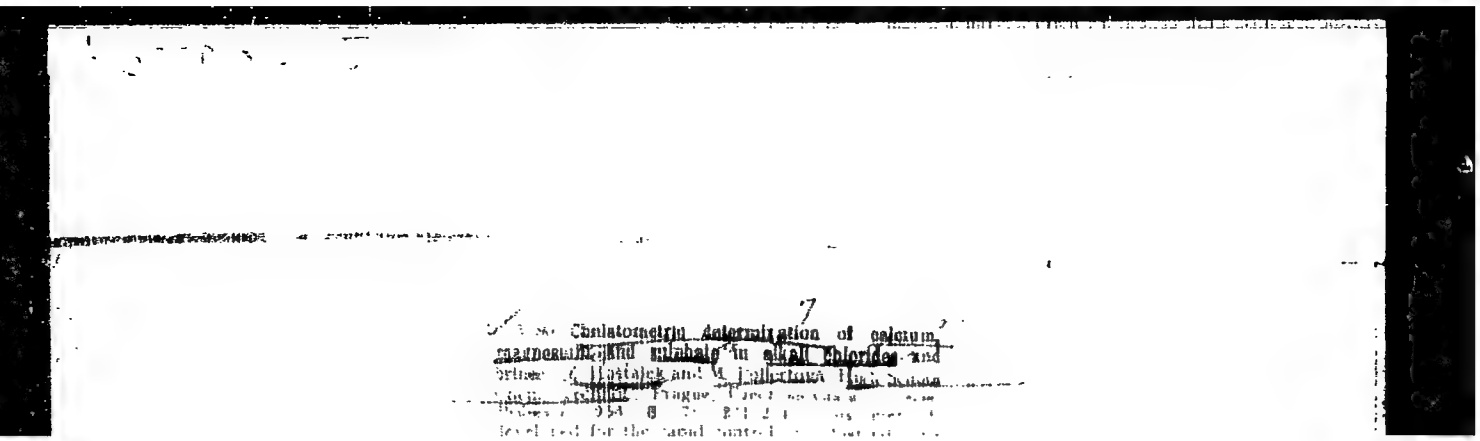
HOSTALEK, Z.

Relationship between the carbohydrate metabolism of streptomyces aureofaciens and the biosynthesis of chlortetracycline. I. The effect of interrupted aeration, inorganic phospate and benzyl thiocyanate on chlortetracycline biosynthesis. Folia microbiol. (Praha) 9 no.2:78-88 Mr'64.

Relationship between the carbohydrate metabolism of streptomyces aureofaciens and the biosynthesis of chlortetracycline. II. The effect of benzyl thiocyanate on the respiration of washed mycelium of Streptomyces aureogaciens. Ibid.:89-95

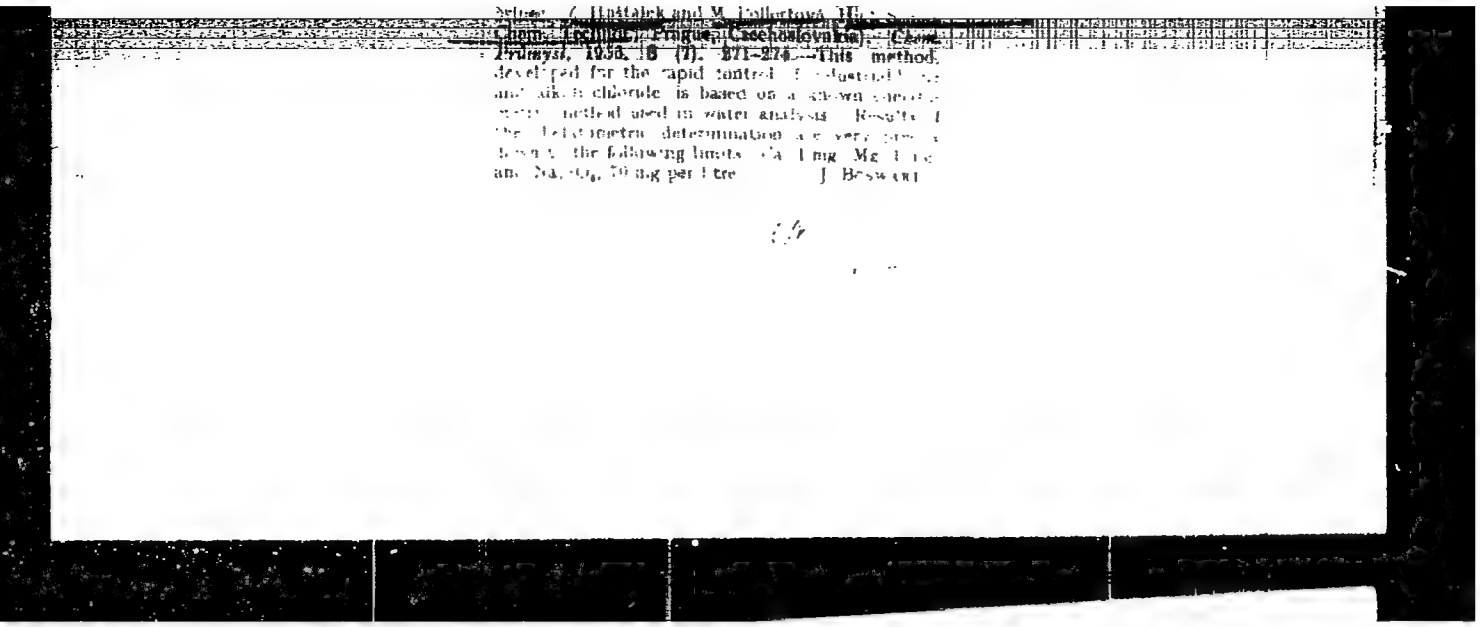
Relationship between the carbohydrate metabolism of streptomyces aureogaciens and the biosynthesis of chlortetracycline. III. The effect of benzyl thiocyanate on carbohydrate metabolism of streptomyces aureofaciens. Ibid.:96-102.

1. Research Institute of Antibiotics, Roztoky near Prague.



7

Chelatometric determination of calcium, magnesium and chelate in alkali chlorides and



Chem. Technol., Prague (Czechoslovakia) Chem. Průmysl, 1958, 8 (7), 371-374.—This method, developed for the rapid control [illegible] and alkali chloride is based on a known [illegible] method used in water analysis. Results [illegible] the [illegible] determination are very [illegible] lower the following limits: Ca 1 mg, Mg 1 [illegible] and Na, 10 mg per litre. J. Beran

HOST'ALEK, Zdenek

C.

CZECHOSLOVAKIA/Inorganic Chemistry - Complex Compounds.

Abs Jour : Ref Zhur - Khimiya, No 9, 1957, 30273

Author : Host'alek Zdenek, Pollertova Milena
Inst :
Title : Laboratory Method for the Preparation of Highly Pure Calcium Carbonate

Orig Pub : Chem. prumysl, 1956, 6, No 11, 472-473.

Abst : Description of a method for preparing calcium carbonate containing more than 99.99% $CaCO_3$, by using technical quicklime and ordinary tap water.

Card 1/1

HOST'A

H-08

CZECHOSLOVAKIA/Chemical Technology, Chemical Products and Their Application, Part 2. - Elements, Oxides, Mineral Acids, Bases, Salts. - Other Elements, Oxides, Mineral Acids, Bases, Salts.

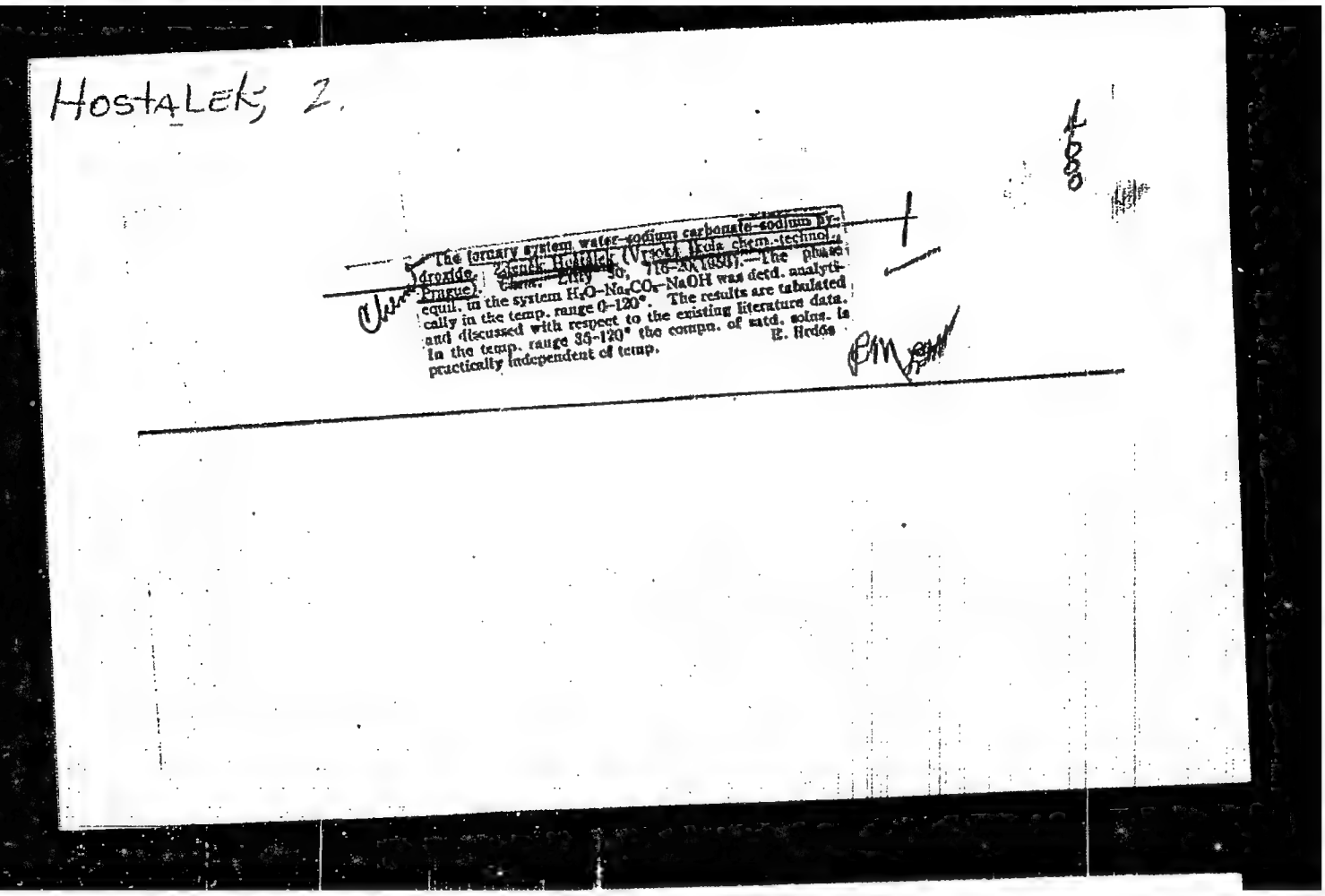
Abs Jour: Referat. Zhurnal Khimiya, No 10, 1958, 33076.

Author : Zdenek Hostálek, Jaroslav Kratochvíl.
Inst : Not given.
Title : Method of Direct Preparation of Alkali-Earth Metal Iodides with Iodine.

Orig Pub: Chem. prumysl, 1956, 6, No 12, 485-489.

Abstract: The method of preparation of alkali-earth metal iodides by a direct reaction among I_2, metallic Fe and alkali-earth metal carbonate in accordance with the equation $3CaCO_3 + 2Fe + 3I_2 = 3CaI_2\ 2Fe(OH)_3 + 3CO_2$ was studied. The technology of the industrial production of CaI2

Card : 1/2



Hostalek, Z.

The ternary system water–sodium carbonate–sodium hydroxide. Zdenek Hostalek (Vysoka Skola chem.-technol., Prague). Chem. Listy 50, 716–20(1956).—The phases equil. in the system H_2O–Na_2CO_3–NaOH was detd. analytically in the temp. range 0–120°. The results are tabulated and discussed with respect to the existing literature data. In the temp. range 35–120° the compn. of satd. solns. is practically independent of temp. E. Hrdlička

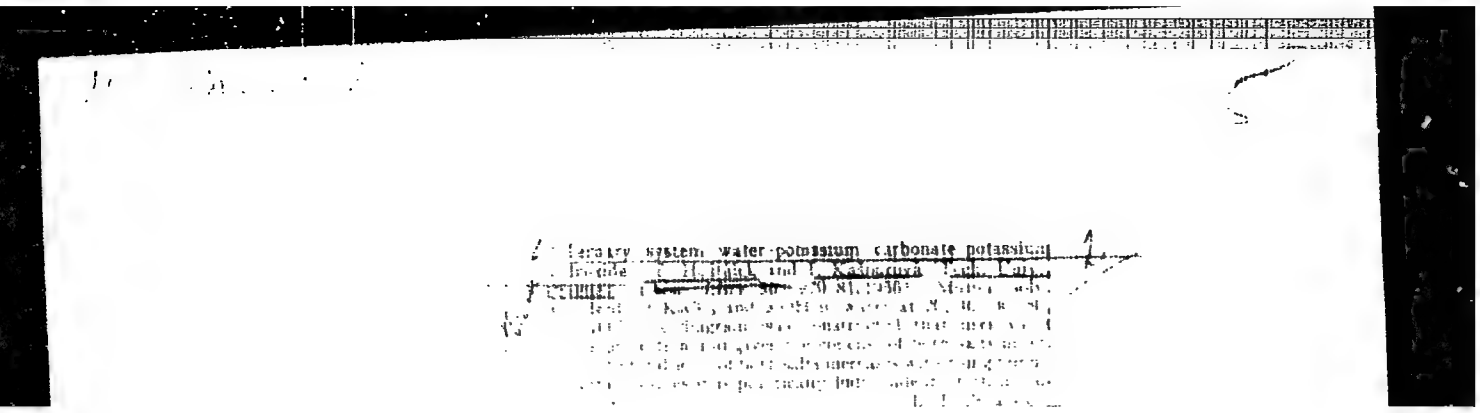
HOSTALEK, Z.

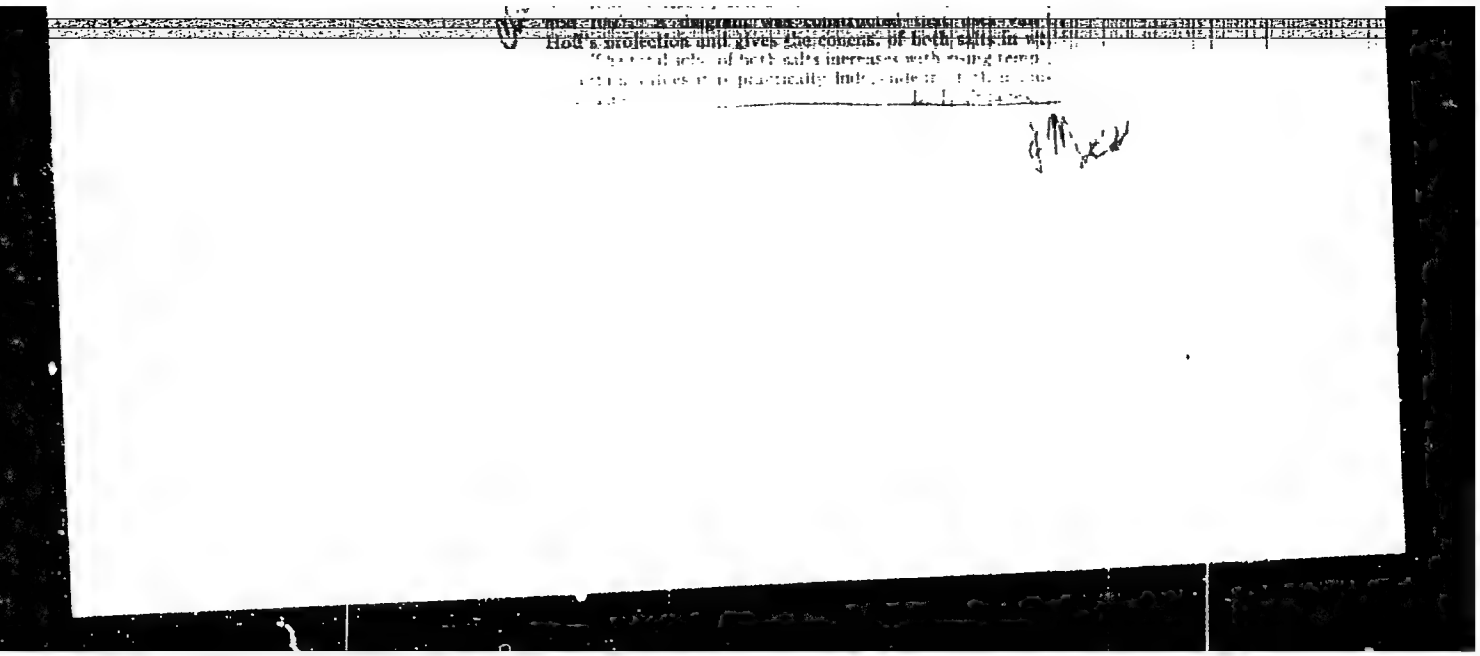
"Direct method of preparing alkaline earth iodides from iodine."

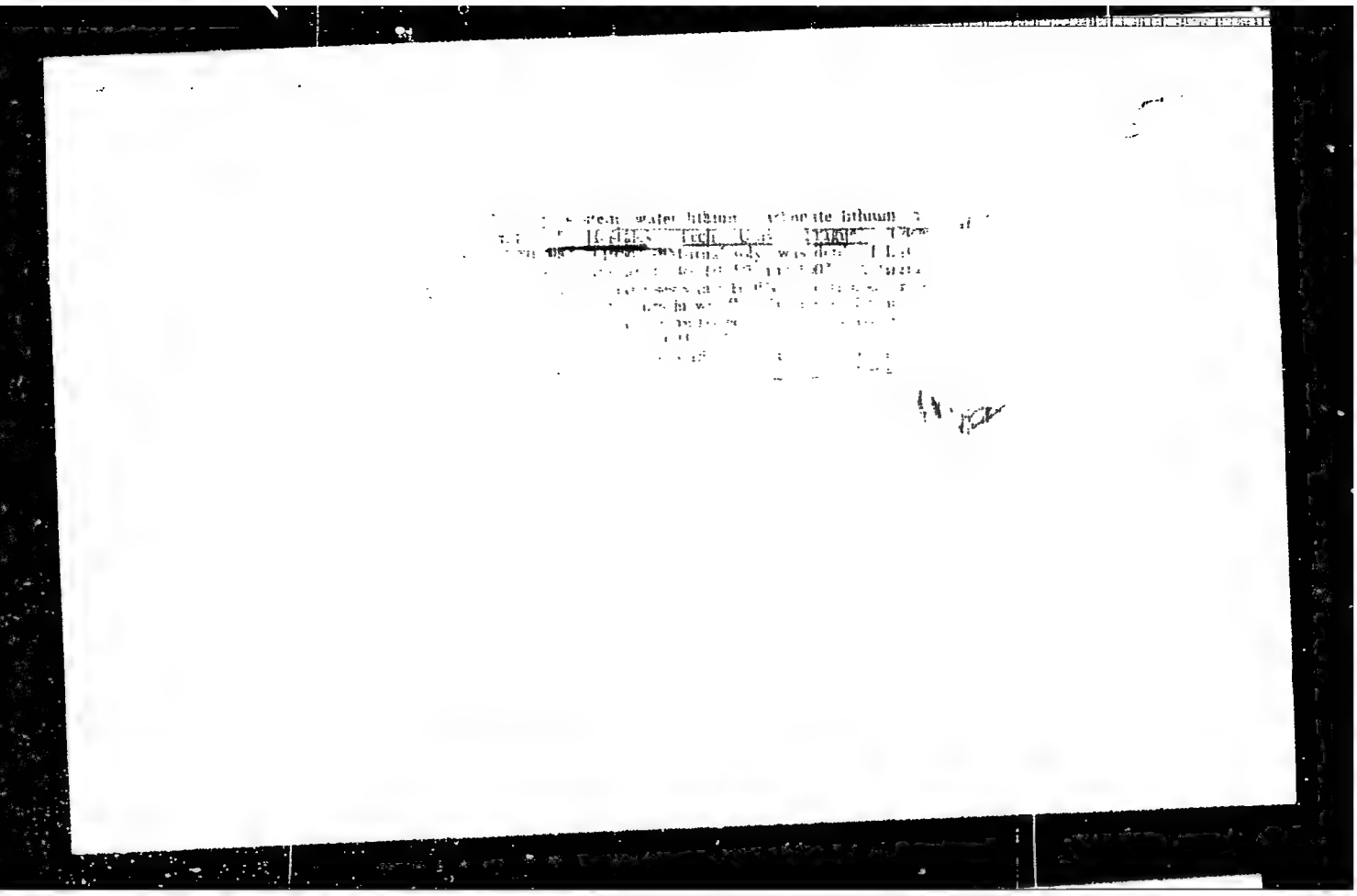
CHEMICKY PRUMYSL, Praha, Czechoslovakia, Vol. 6, No. 12, December 1956.

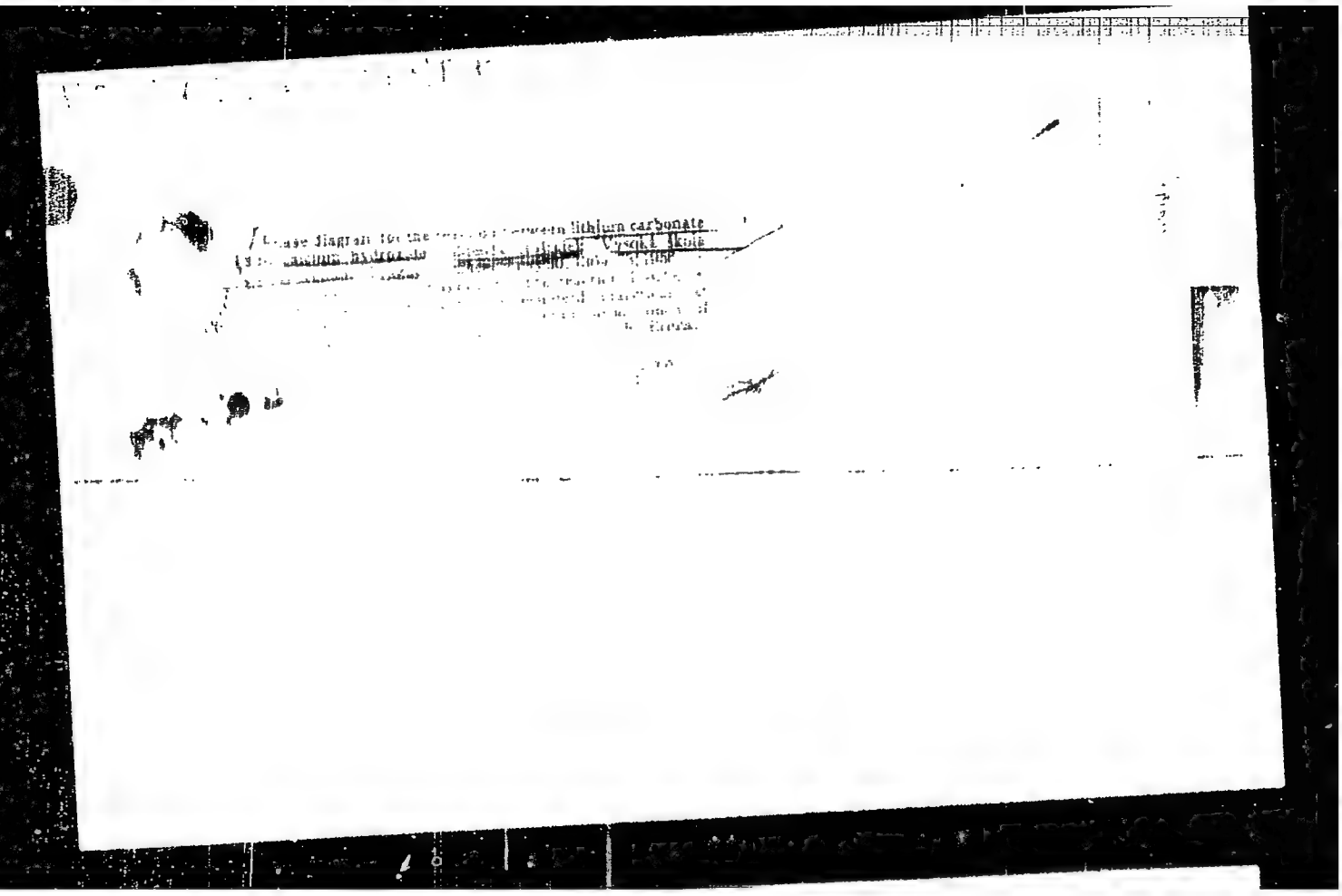
Monthly List of East European Accessions (EEAI), LC, Vol. 8 No. 9, September 1959.

Unclassified.









CZECHOSLOVAKIA / Chemical Technology. Chemical Products H
and Their Applications. Soda Industry.

Abs Jour: Ref Zhur-Khimiya, 1959, No 4, 12350.

Author : Hostalek, Zdenek; Dolezal, Dobroslav.
Inst : Not given.
Title : Production Method for Determining a Carbonate of an Alkali Metal and of an Alkali by the Varder Method.

Orig Pub: Chem. prumysl, 1957, 7, No 5, 232-236.

Abstract: A volume method has been developed for the analysis of technical caustic alkalis which contain different quantities of carbonate, giving reproducible results by means of the standardization of the operating conditions which are the source of errors. Bib. 14 titles. -- I. Yelinek.

Card 1/1

HOSTALEK, Z.

"Phase diagram for the reaction of lithium carbonate with calcium hydroxide. In German."

p. 175 (COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS. SBORNIK CHECKHOSLOVATSKIKH KHIMICHESKIKH RABOT. --Praha, Czechoslovaka.) Vol. 22, No. 1, Feb. 1957

SO: Monthly Index of East European Accession (EEAI) LC, Vol. 7, No. 5, May 1958

HOSTALEK, Z.

"The three-substance system of watersodium carbonate-sodium hydroxide." In Russia.

P. 532. Journal on chemistry and biochemistry issued by the, (Czechoslovak Academy of Sciences.) Vol. 22, no. 2, Apr. 1957.

SO: Monthly Index of East European Accession (EEAI) LC, Vol. 7, No. 5 May 1958

[illegible], Z.

"The three-substance system of water-lithium carbonate-lithium hydroxide."
In Russian.

P. 618 . Collection of Czechoslovak Chemical Communications. Sbornik Chekhoslovatskikh Khimicheskikh Rabot. (Praha, Czechoslovakia) Vol. 22, no. 3, Mar. 1957.

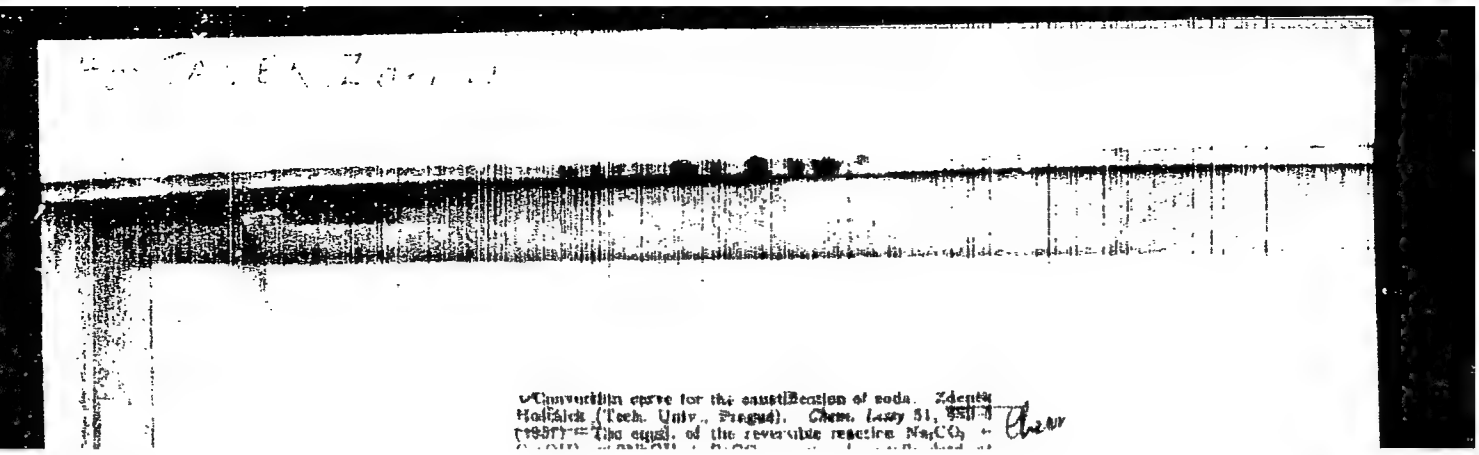
SO: Monthly Index of East European Accession (EEAI) LC, Vol. 7, No. 5, May 1958

HOS..LEK, Z.; ...

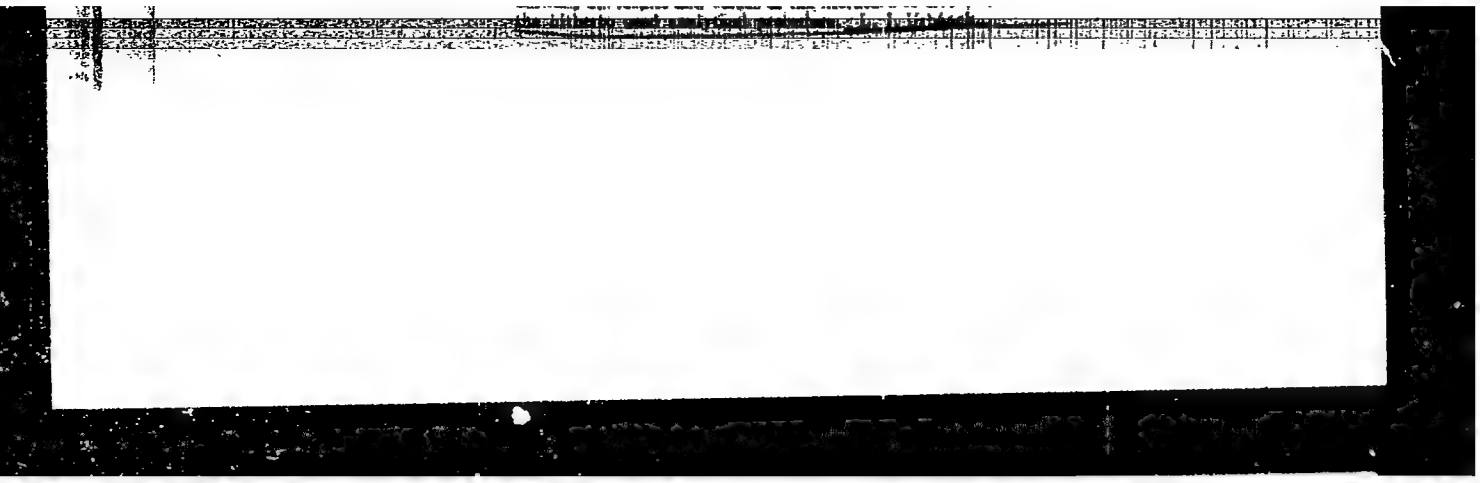
"The three-substance System of water-potassium carbonate-potassium ... Problem."
In Russian

... 21. Collection of Czechoslovak Chemical Communications. Sbornik Chekhoslovatskikh Khimicheskikh Rabot. (Praha, Czechoslovakia) Vol. 23, no. 2, Apr. 1958.

SO: Monthly Index of East European Accession (EEAI) LC, Vol. 7, No. 9, May 1958



Conversion curve for the causticization of soda. Zdeněk Holšlick (Tech. Univ., Prague). *Chem. Listy* 51, [illegible] (1957).—The equil. of the reversible reaction Na_2CO_3 + [illegible]



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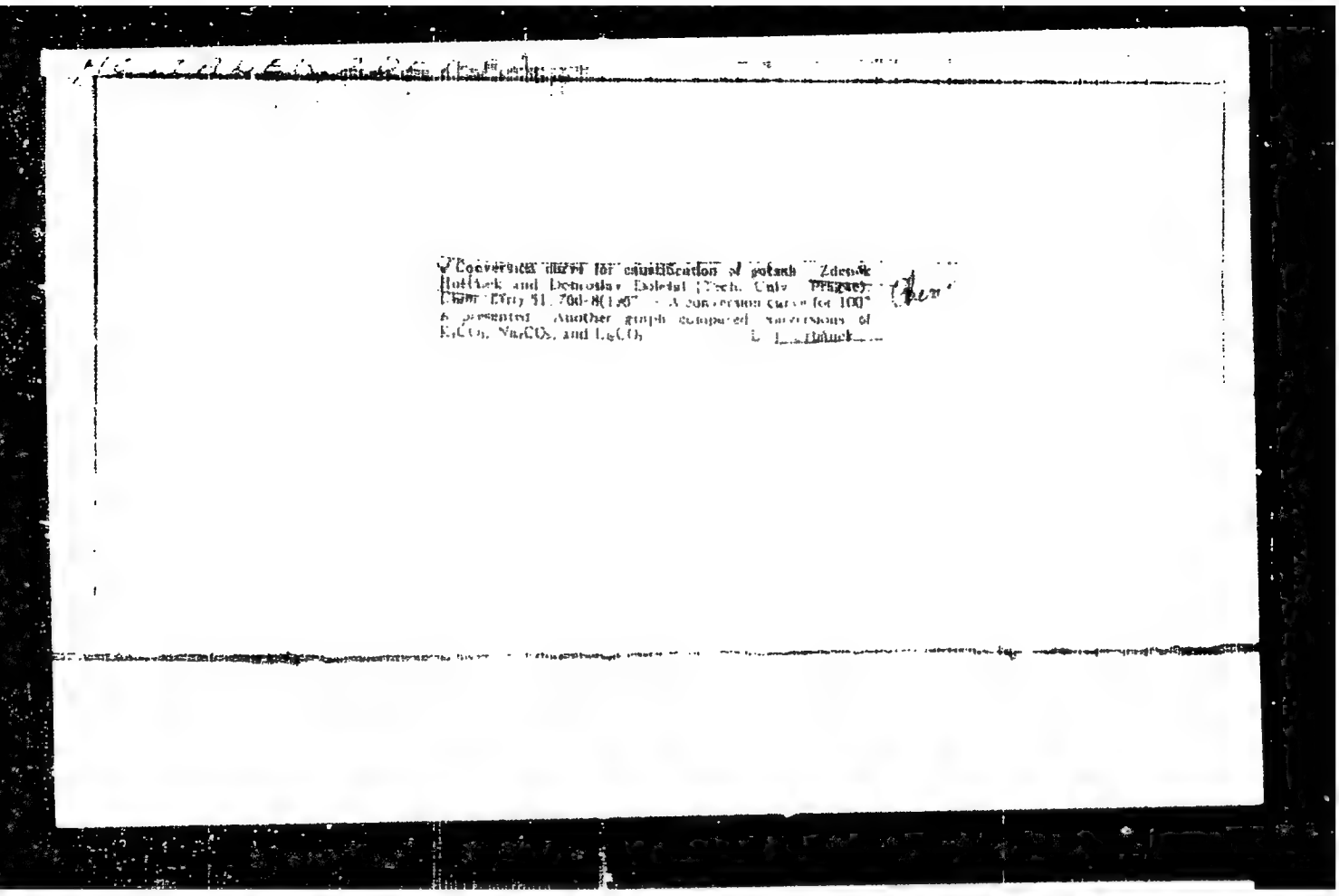


Conversion tables for calcification of potash. Zdeněk Hoffbek and Bedřiška Doležal (Tech. Univ. Prague). Chem. Listy 51, 700-8(1957). A conversion curve for 100° is presented. Another graph compared conversions of K_2CO_3, Na_2CO_3, and Li_2CO_3. L. Dolansky

Goshtyalek, Z

CZECHOSLOVAKIA/Inorganic Chemistry - Complex Compounds C

Abs Jour: Referat Zhur - Khim, No. 9, 1959, 30770

Author : Goshtyalek, Z., Dolezhal, D.

Inst : Not given

Title : Conversion Curves for the Caustization of Sodium Carbonate

Orig Pub: Collection Czechoslov Chem Commun, 1958, No 8, 1451-1455

Abstract: See RZhKhim, 1958, 20906

Card 1/1

60

HOSTALEK, Z.

GOSHTYALEK, Z. [Hoštálek, Z.]; YANECHEK, Yu. [Janeček, J.]; DOSKOCHIL, Yu. [Doskočil, J.]; KASHPAROVA, I. [Kašparová, J.]

Effect of interrupted aeration, orthophosphates, and benzyl on chlortetracycline formation. Antibiotiki 4 no.1:37-39 Ja-F '59. (MIRA 12:5)

1. Nauchno-issledovatel'skiy institut antibiotikov, Chekhoslovakiya, Roztoki u Pragi.

(STREPTOMYCES, metab.
aureofaciens, synthesis of chlortetracycline, eff. of interrupted aeration, benzyl rhodanide & orthophosphates (Rus))
(CHLORTETRACYCLINE, metab.
Streptomyces aureofaciens, eff. of interrupted aeration, benzyl rhodanide & orthophosphates on synthesis (Rus))
(THIOCYANATES, eff.
benzyl rhodanide, on Streptomyces aureofaciens prod. of chlortetracycline (Rus))
(PHOSPHATES, effects,
orthophosphates, on Streptomyces aureofaciens prod. of chlortetracycline (Rus))

GOSHTYALEK, Z. [Hoštálek, Z.]; GEROL'D, M. [Herold, M.]; SIKITA, B. [Sikyta, B.]; NECHASEK, Ya. [Nečásek, J.]

Replacement of saccharose with starch in the culture medium for the biosynthesis of chlortetracycline. Antibiotiki 4 no.3: 8-12 My-Je '59. (MIRA 12:9)

1. Nauchno-issledovatel'skiy institut antibiotikov, Chekhoslovakiya.
(CHLORTETRACYCLINE, prep. of substitution of saccharose with starch in culture medium (Rus))

GEROL'D, M. [Herold, M.]; GOSHTYALEK, Z. [Hostalek, Z.]; NECHASEK, Ya. [Necasek, J.]; MATELOVA, V.

The influence of benzyl thiocyanate on the synthesis of chlortetracycline with direct enrichment by ground barley. Antibiotiki 4 no.5:33-35 S-O '59. (MIRA 13:2)

1. Nauchno-issledovatel'skiy institut antibiotikov, Roztoki, Chekhoslovakiya.
(CHLORTETRACYCLINE chem.)
(THIOCYANATES chem.)

HOSTALEK, Z.

"Adaptation of Winkler's method for the estimation of alkali carbonate and hydroxide."

CHEMICKY PRUMYSL, Praha, Czechoslovakia, Vol. 9, No. 3, March 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September 1959.

Unclassified.

MARAN, Bohuslav, akademik, laureat statni ceny; KAUT, Vl., inz.; SVORCOVA, S., MUDr.; TUSL, M., MUDr., C.Sc.; RABA, Jan.; MATERNA, Jan, inz.; KLIMECEK, Rostislav; BETTELHEIM, Jan, inz.; HALA, Eduard, doc., inz., dr.; UHER, L., inz.; KORDIK, E.; ERDOS, Emerich, doc., inz., dr.; VOSOLSOBE, Jan, doc., inz., dr.; NADENIK, O., inz.; HRUDKA, J.; HOSTALEK, Zdenek, inz., dr.; RADL, K., inz.; PEKAREK, Vl., MUDr.; BLISTAN, J., inz.; STORCH, O. inz.

A national conference on protection against chemical fumes from electric heat plants; a sumary of reports. Energetika Cz 11 no.2:109-111 F '61.

SCHILLEROVA, V.; HOSTALEK, Z.

Determining the sulfur dioxide and sulfuric acid in fumes.
Energetika Cz 11 no.9:447-449 S '61.

HOSTALEK, Zdenek; KUTEK, Frantisek

Conductometric determination of a small quantity of the bicarbonate mixed with excess sodium carbonate and vice versa. Chem prum 12 no.3:128-130 Mr '62.

1. Vysoka skola chemickotechnologicka, Praha.

HOSTALEK, Zdenek; KUTEK, Frantisek

Conductometric determination of small quantity of alakali carbonate in mixtures with alkali hydroxide. Chem prum 12 no.9:490-493 S '62.

1. Katedra anorganicke chemie, Vysoka skola chemickotechnologicka, Praha.

HIASIVEC, Zdenek; HOSTAS, Karel; KUBAT, Alois; PRENOSIL, Jaroslav

Interrelationship of radiation dose, time & volume. Cesk. rentg. 12 no.4:223-232 Dec 58.

1. Onkologicky ustav v Praze 8, reditel dr. Frantisek Vadura. Zd. H., Onkol. ustav, Praha 8, Na Truhlarce 100.
(RADIUM, ther. use
relation of dos., time & volume (Cz))

HOSTASA, D. MORAVOVA, H. PANEK, J.

Methods of testing. p. 19.

(Czechoslovak Heavy Industry. No. 5, 1957. Prague, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

HOSTASOVA, Bozena, inz.; JAVORSKA, Hana, inz.

Vacuum cooling of pasty substances in the canning industry. Prum potravin 16 no.2:69-71 F '65.

1. Higher School of Chemical Technology, Prague. Submitted October 23, 1964.

HOSTICKA, J.

"Switching an electromagnetic clutch."

AUTOMATISACE, Praha, Czechoslovakia, Vol. 2, no. 5, May 1959

Monthly List of EastEuropean Accessions Index (EEAI), LC, Vol. 8, No. 8, August 1959

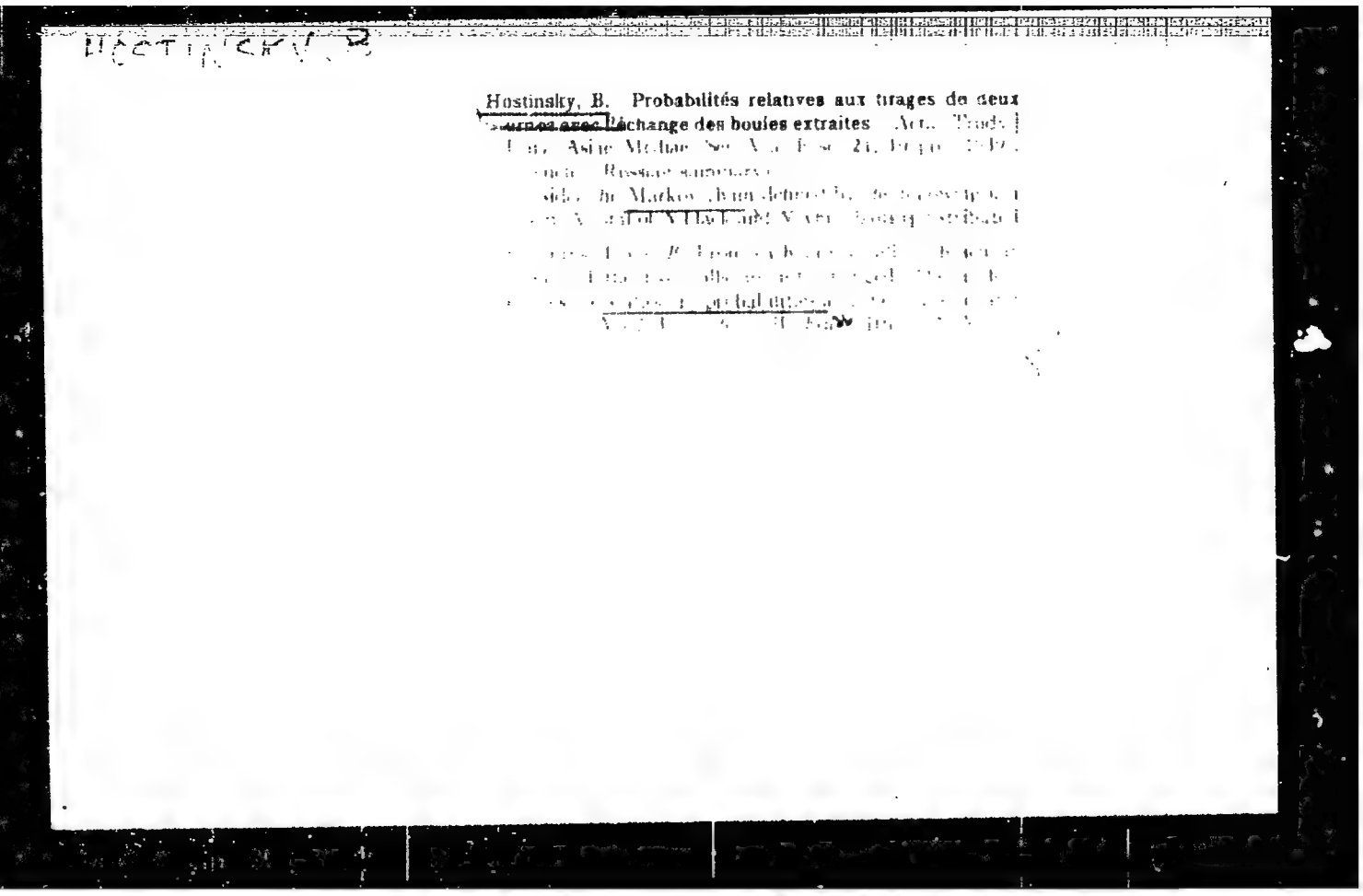
Unclassified

HOSTINSKY, A.; HLOUSEK, C.

"Use of oxygen in the cupola. Prace p.1"

SLEVARENSTVI. (Ministerstovo tezkeho strojirenstvi a Ceskoslovenska vedecka technicka spolecnost pro hutnictvi a slevarenstvi) Praha, Czechoslovakia, Vol. 3, No. 8 Aug. 1955.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 6 June 1959
Uncl.



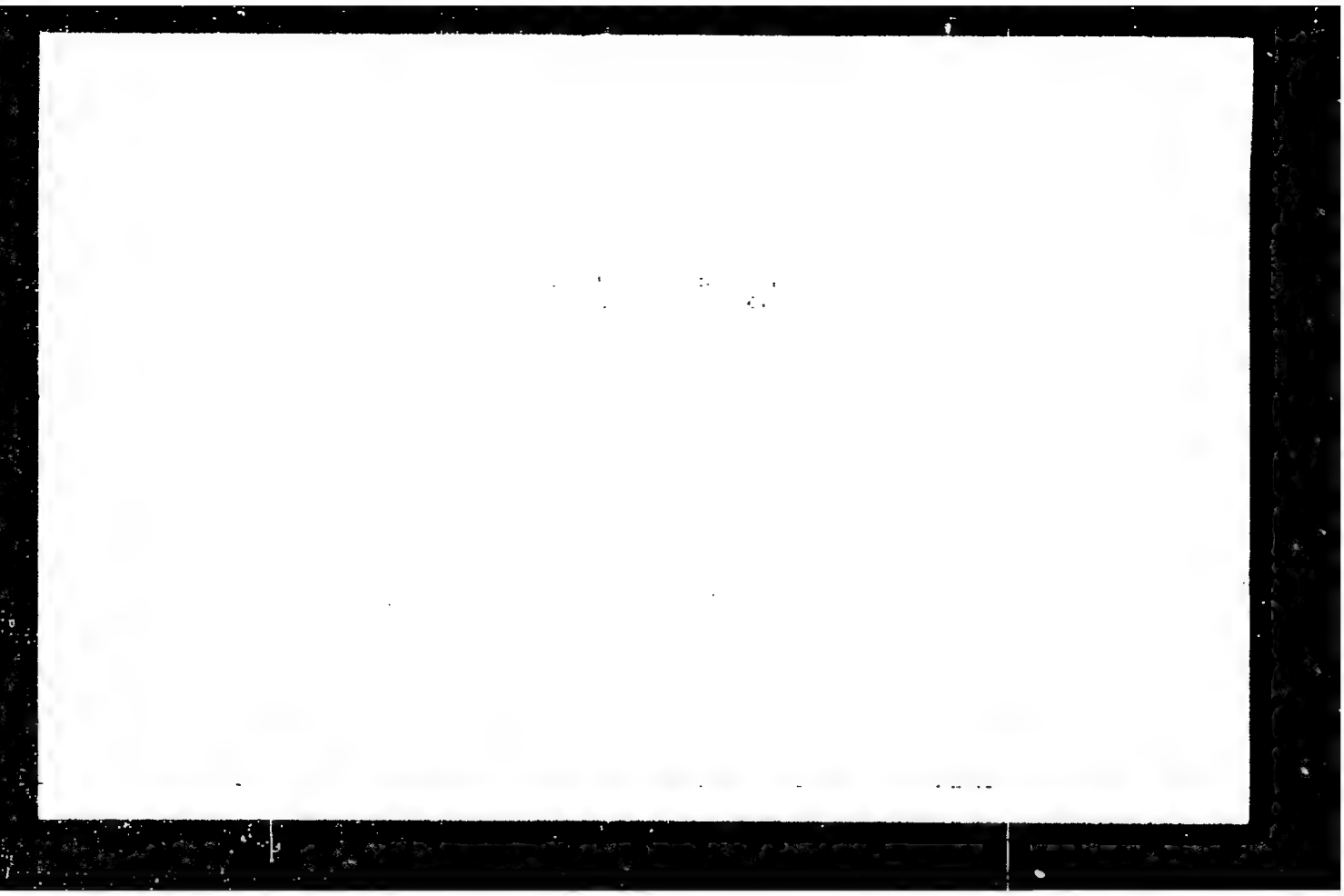
Hostinsky, B. Probabilités relatives aux tirages de deux urnes avec échange des boules extraites. Acta Trade[illegible] Asiae Mediae Ser. VI, Fasc. 21, Progr. [illegible], Russian summary.

[illegible] Markoff [illegible]

Hostinský, B. Sur les oscillations forcées des systèmes mécaniques ou électriques. Acad. Tchèque Sci. Bull. Cl. Sci. Math. Nat. 40 139-146 (1939).

This paper is based on a remark by Rayleigh [Theory of Sound, 2nd ed., Macmillan, London, 1926, p. 74] that the effect of a forcing term on a harmonic oscillator is to produce a displacement proportional to the change of the forcing term. This point of view is shown to be valid also for vibrating systems of finite or infinite number of degrees of freedom, e.g., the vibrating string. W. Kaplan

Mathematical Reviews, Vol. 2, No. 2



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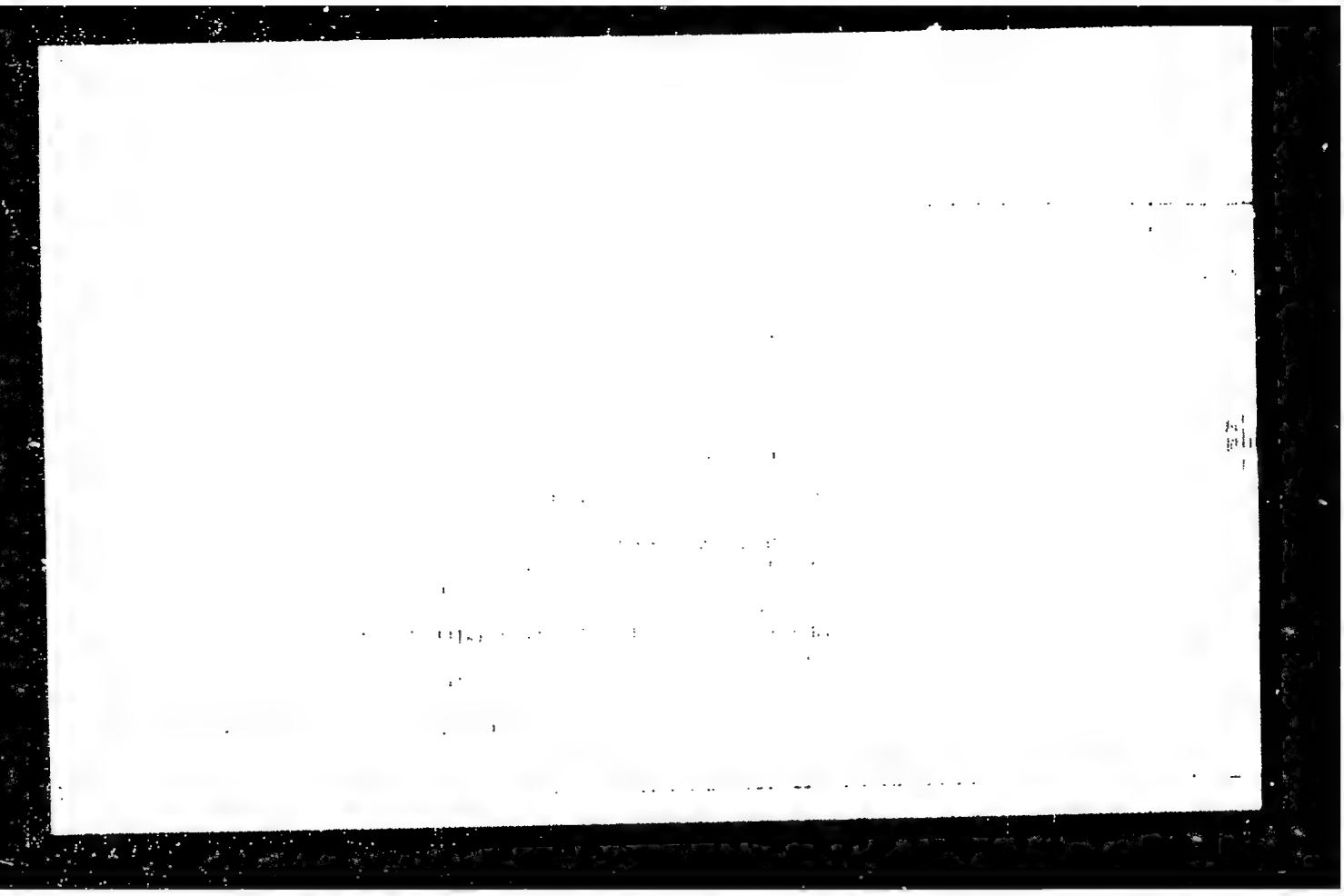
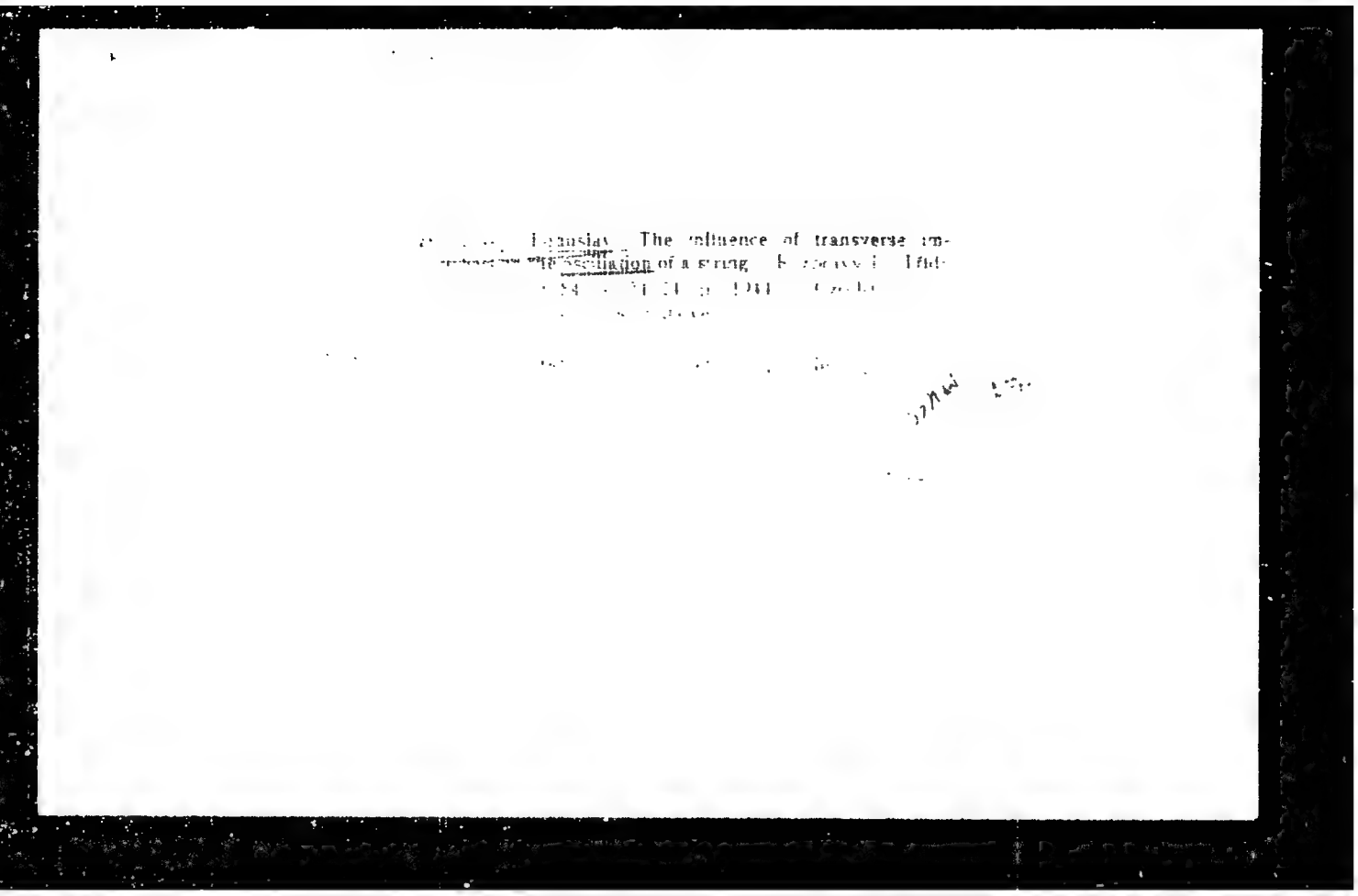


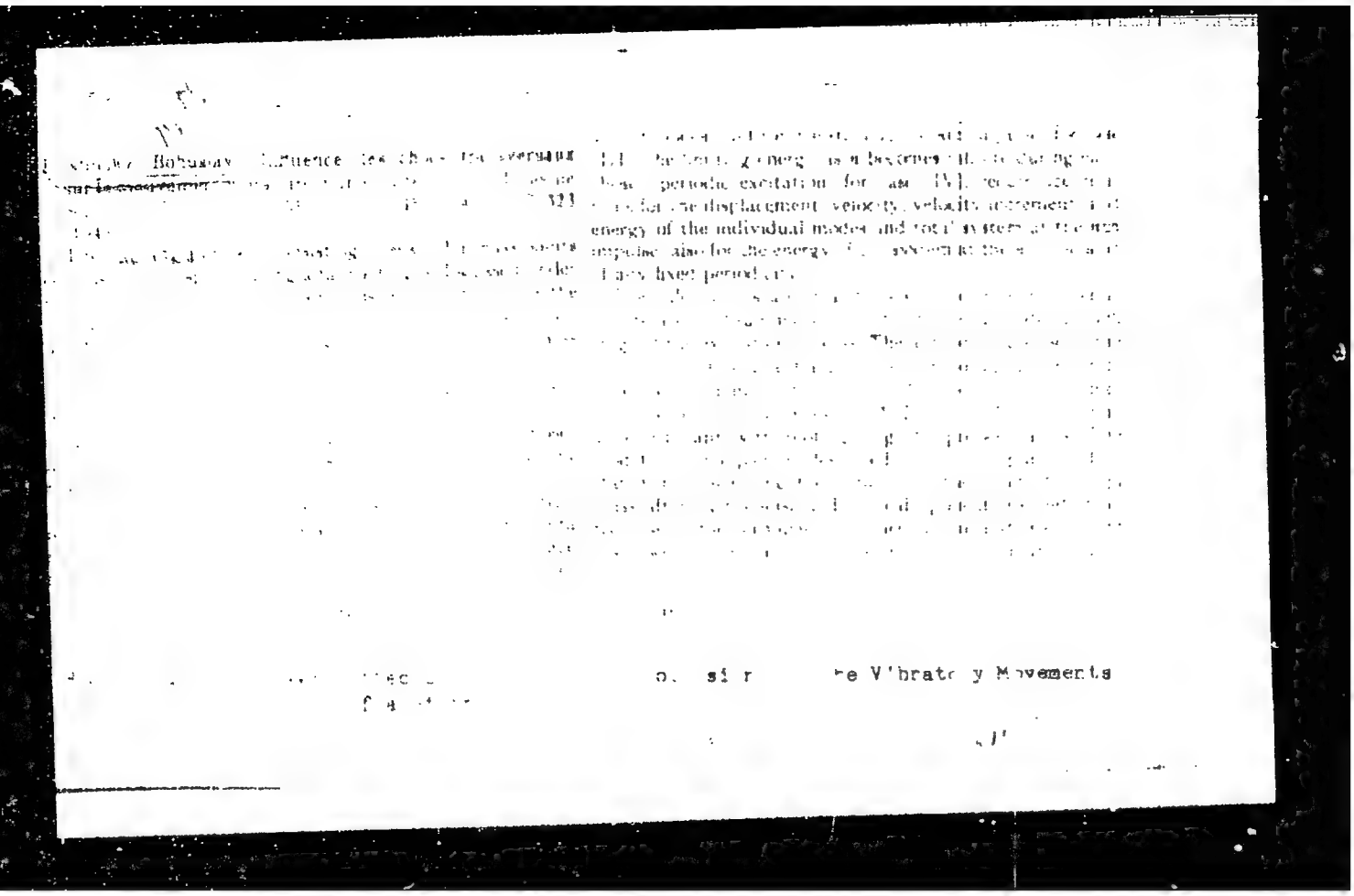
Bostinsky, Bohuslav. Über die Verteilung der Energie in diskreten Spektren. Acad. Tchèque Sci. Bull. Int. Cl. Sci. Math. Nat. 44 (93-108 (1943).

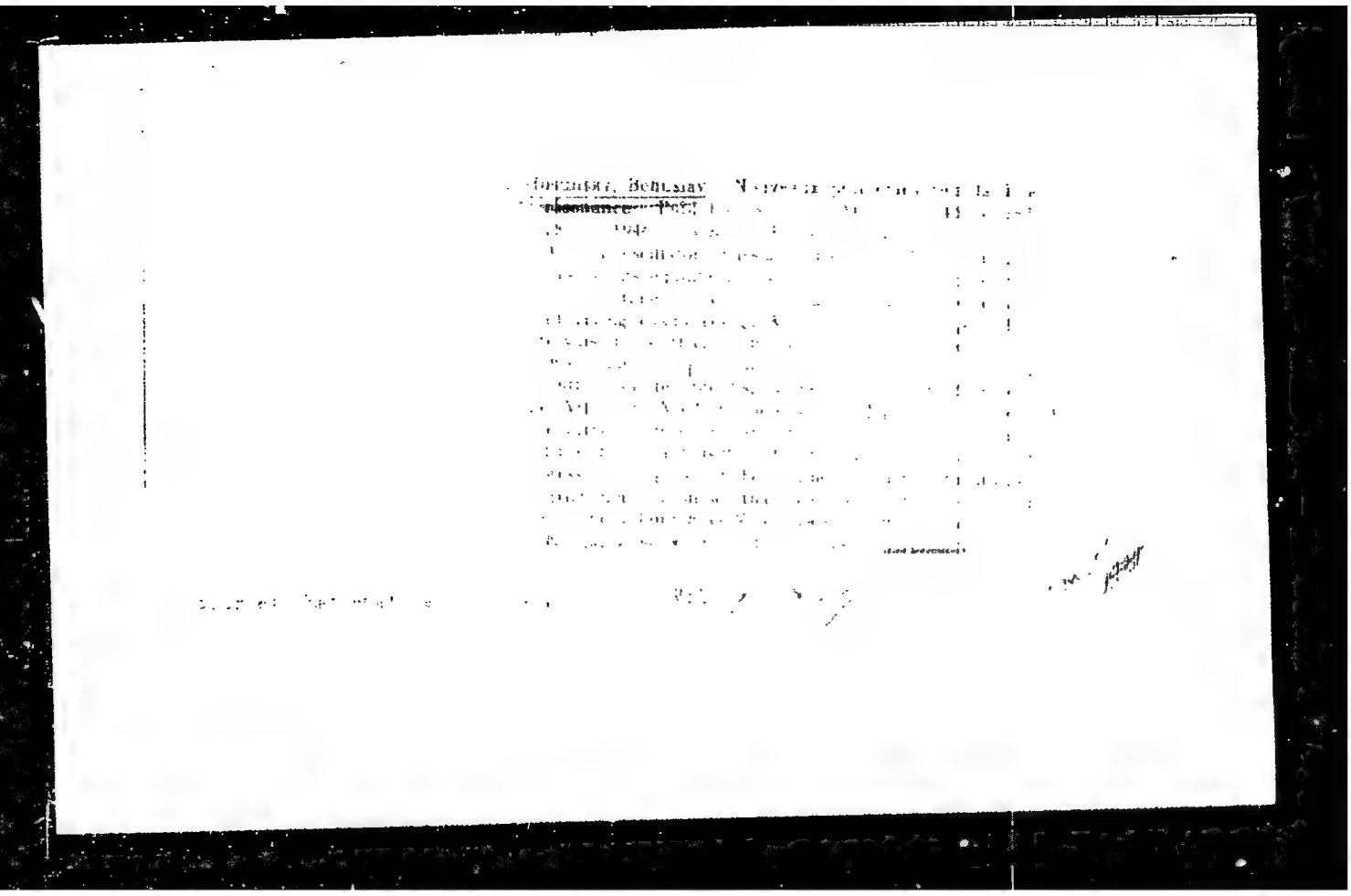
This paper is a modification of that of the previous review. The system is now assumed subjected to impulses due to collisions of the particle with an external particle moving on the same line and being reflected by a fixed wall. A generalization of this problem to a similar finite model for a membrane is also considered. For both cases an equipartition theorem on the energy spectrum is stated without proof.

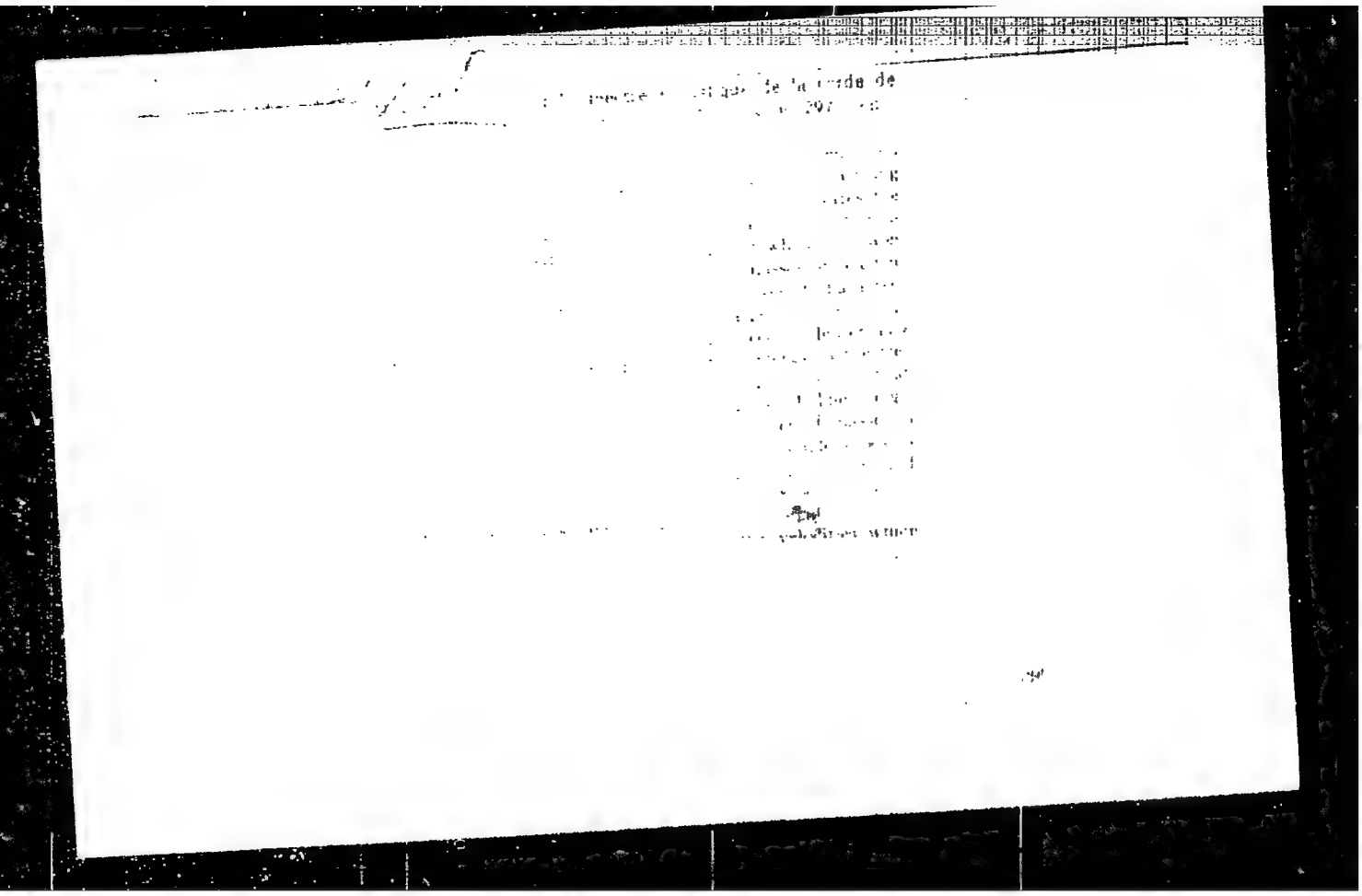
W. Kaplan (Ann Arbor, Mich.)

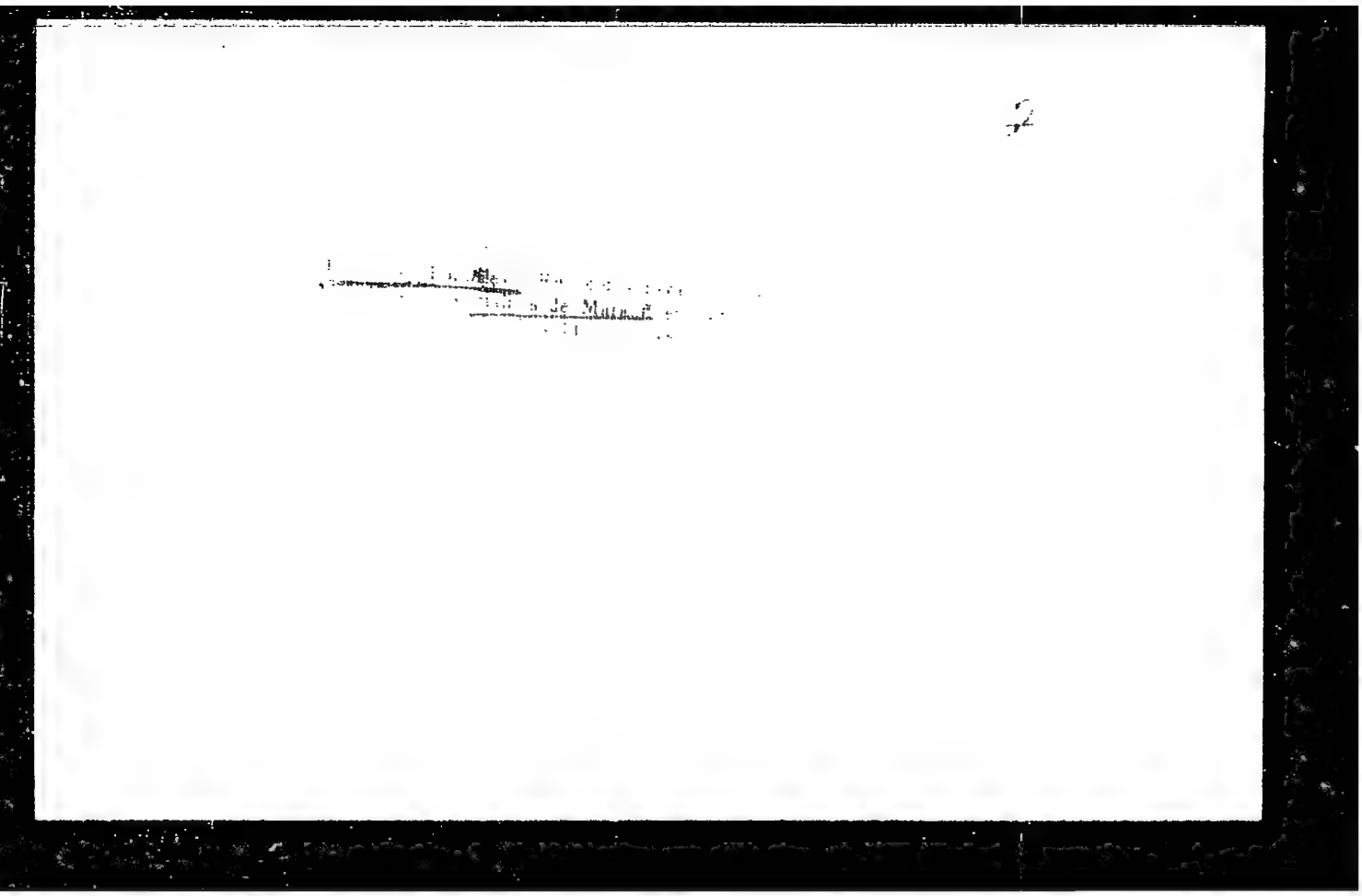
Source: Mathematical Reviews, Lancaster, Vol. 9, No. 2







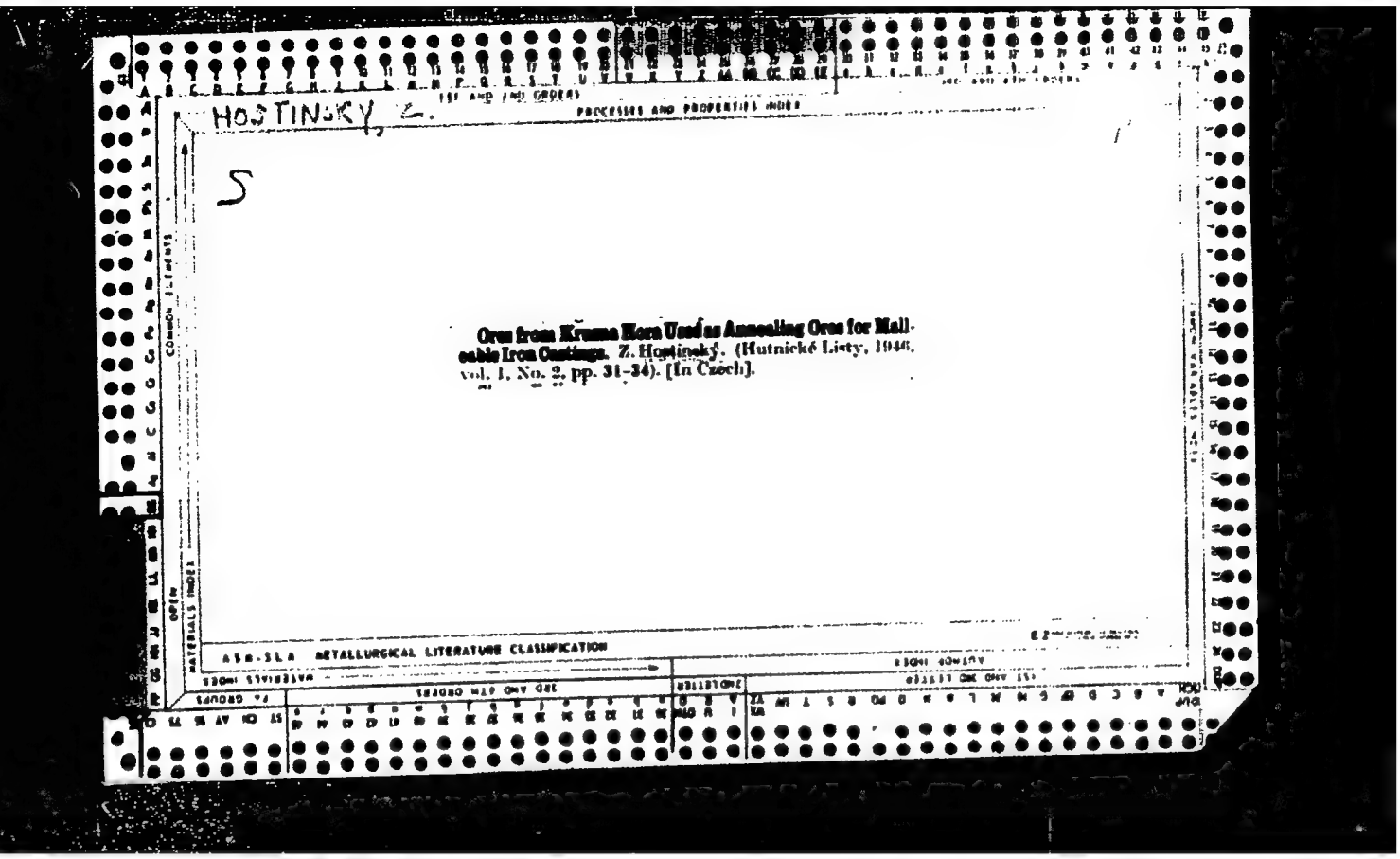




$$\frac{\rho}{\mu}\frac{\partial \mathbf{U}}{\partial t} = \operatorname{curl} \boldsymbol{\omega}, \qquad \frac{\partial \boldsymbol{\omega}}{\partial t} = -\operatorname{curl} \mathbf{U},$$

and the analogy with Maxwell's equations is obvious. The author also shows that the reflection and refraction of elastic distortion waves follow laws analogous to the corresponding laws for electromagnetic (optical) waves.

A. Erdélyi (Pasadena, Calif.).



HOSTINSKY, Z.

New Technological Processes in the Production of Malleable Cast Irons in the U. S. S.R. Z. Hostinský. (Hutnické Listy, 1951, 6, July, 323-330). (In Czech).

The practical implication of recent research into the properties of cast irons, primarily those of the inoculated type, is discussed with special reference to the work of A. P. Toropanov. Heat-treatment, super-heating the melt, optimum manganese/sulphur ratios, graphitization, and other aspects are considered, and developments and possible improvements indicated. Comparisons of production methods and qualities of inoculated cast irons in Europe, the U. S. S. R., and the U. S. A. are made, and the nature and origin of differences discussed.--P. F.

immediate source clipping

16137* (Inoculation of Cast Iron With Magnesium in an Autoclave.) Očkování šedé litiny hořčíkem v autoklávu. Zdeněk Hostinský and Čestmír Hloušek, *Slévárenství*, v. 2, no. 6, Práce Československého Výzkumu Slévárenského, v. 1, no. 6, June 1954, p. 45-50.

Addition of Mg at 1350 to 1360 C under four to six atmospheres occurred with no boiling or spatter. Recovery of Mg was high. Tables, graphs, diagrams, photographs, micrographs. 3 ref.

HOSTINSKY, ZDENĚK

4

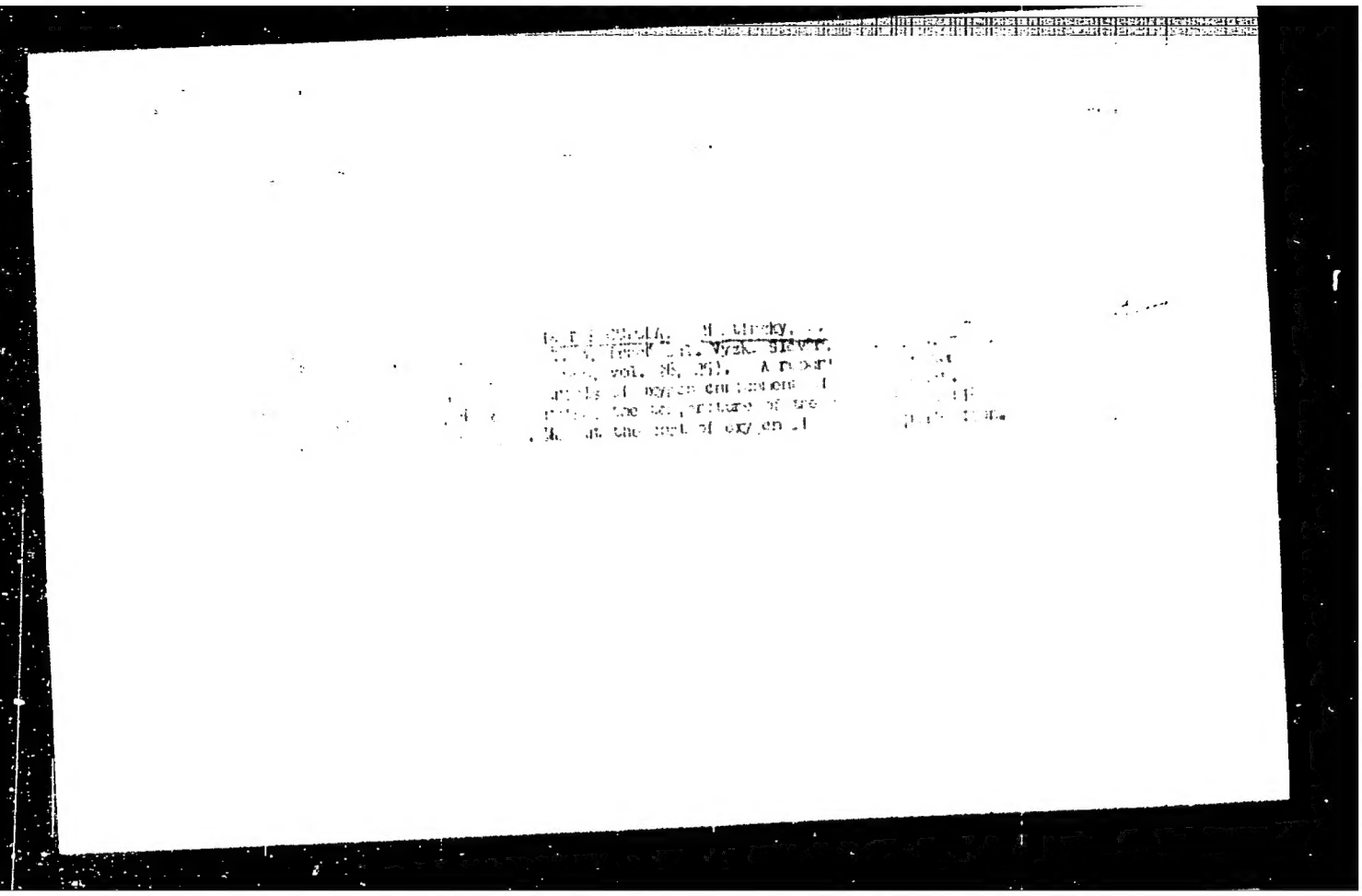
4038* Some Properties of Spheroidal Iron Inoculated With Dowmetal. Některé vlastnosti tvárné litiny očkované elektrotitanem. (Czech.) Zdeněk Hostinský and Čestmír Hlavatek. Slévárenství, v. 2, no. 11, Práce Československého Výzkumu Slévárenského, v. 1, no. 13, Nov. 1954, p. 77-84.

Casting behavior, mechanical properties, corrosion resistance, and applications. Diagrams, tables, micrographs, graphs, photographs. 93 ref

HOSTINSKY, ZDENEK.

Kujna litina. (Vyd. 1.) Praha, Statni nakl. technicke literatury, 1955. 156 p. (Malleable cast iron. 1st ed. illus., bibl,, tables)

So: Eastern European Accession Vol. 5 No. 4 April 1956



Tempering in Liquid and Gaseous Media. Z. Hostinsky

Reports of Czechoslovak Foundry Research Institute (Zprávy Výzkumného ústavu slévárenského), 1956, 4, 13). (In Czech) The research was aimed to elucidate the possibility of replacing annealing pots by annealing directly in a protecting atmosphere consisting principally of nitrogen with small amounts of carbon monoxide and dioxide, or in a salt bath made from a mixture of barium chloride and borax. The former method was used in the range 900–950° C, the latter in the range 1000–1100° C. The cast iron was of the 2·41% C, 1·13% Si type, inoculated with either Fe-Si, Al, Mg–Fe–Si or boron. The use of the oxygen lance in the ladle stage was studied, and the course of graphitisation was examined. The most efficient means of reducing the first graphitisation period was found to be annealing at 1000–1050° C; at higher temperatures, (similar